07-11-12 Acct # cha

1114046000

Company: VA MEDICAL CENTER

Address: 915 N. Grand Boulevard

City: St. Louis

State and Zip: MO 63106

Ind\_id

File Code

**File Description** 

29340

40

PERMIT



# Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

December 28, 2016

Mike Stogsdill Pipe Shop Supervisor **VA MEDICAL CENTER** 915 N. Grand Boulevard St. Louis, MO 63106

Re: Discharge Permit No:

1008545900 - 3

For premise at:

915 N. Grand Boulevard, St. Louis, MO 63106

Dear Mr. Stogsdill:

The Metropolitan St. Louis Sewer District has developed an Industrial Wastewater Discharge Permit for the above premise. Federal regulation 40 CFR 403 requires MSD to issue a permit to you. We based the permit on the following: information that you supplied in your Industrial User Questionnaire, on results from previous wastewater samplings and inspections, and on requirements contained in existing MSD ordinances and state and federal regulations.

The terms and conditions of this permit are substantially the same as in the previous permit. The current permit expires on <u>January 31, 2017</u>.

You must submit monitoring reports on a quarterly basis, as required by the conditions of this permit. The first report due date, for this reissued permit, is based on a complete calendar quarter monitoring period. The permittee remains responsible for reporting for the preceding calendar quarter under the previous permit. The necessary report form is appended to the permit. It includes the specific certifications required by your permit. Please use this form for your report submittals. Instructions for completing the report form also are enclosed with this letter.

If you disagree with any of the terms or conditions of this permit please inform us, in writing, within 15 working days of receipt. MSD will deem absence of a response within this period as acceptance of the permit.

Please be aware that an annual permit fee will be added to your monthly sewer bill, or you will receive a separate bill, to cover administrative costs associated with the permit, as provided for under MSD ordinance 12413. The fee is normally added to the last bill of each calendar year, or shortly thereafter.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit,

Self-monitoring Report Form, Self-monitoring Report Instructions

cc: Doug Mendoza Dave Kupke

PRIORITIES PERFORMANCE SERVICE

# METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1008545900 - 3

EFFECTIVE DATE: February 01, 2017

**EXPIRATION DATE:** 

January 31, 2022

ISSUED TO: VA MEDICAL CENTER

915 N. Grand Boulevard

St. Louis, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 3

SAMPLING PT. REF NUMBER(S): 001, 002, 003

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer

Assistant Engineer

Douglas/M. Mendoza, P.E.

Mgr. of Industrial Pretreatment

Paga No :

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February 01, 2017

#### **DISCHARGE LIMITATIONS**

SAMPLING POINT REFERENCE NUMBER:

001

SAMPLING POINT LOCATION:

MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 86,039

WASTEWATER SOURCE AND CATEGORY: Sanitary + Non-Contact Cooling Water (Autoclaves) + Cooling Tower Blowdown + Hospital Waste + Kitchen Waste + Laboratory Waste (Diagnostic Labs) + Boiler Blowdown + Regeneration/Reject Water + Storm Water

# DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	Once/3 mo
Biochemical Oxygen Demand (5 Day)	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand	***	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH (SU)	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids	***	Daily Avg	Once/3 mo
Total Phenois [mg/L]	21	Instant	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year

- \* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- \*\* See Section I.A.2 of the permit conditions.
- \*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- \*\*\*\* See Section I.A.11 of the permit conditions.

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Effective Date:

February 01, 2017

## **DISCHARGE LIMITATIONS**

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION:

Offset MH @ Spring & Enright 75' SW of Bldg #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 23,521

WASTEWATER SOURCE AND CATEGORY: Sanitary + Cooling Tower Blowdown + Hospital Waste + Laboratory Waste (Diagnostic Lab) + Storm Water

# DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

,		Limit	Sampling
Parameter	Limit *	Type **	Frequency
Flow [GPD]	***	Daily Avg	Once/3 mo
Biochemical Oxygen Demand (5 Day)	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand	***	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids	***	Daily Avg	Once/3 mo
Total Phenois [mg/L]	21	Instant	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year

- \* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- \*\* See Section I.A.2 of the permit conditions.
- \*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- \*\*\*\* See Section I.A.11 of the permit conditions.

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Effective Date:

February 01, 2017

# DISCHARGE LIMITATIONS

003

SAMPLING POINT REFERENCE NUMBER:

SAMPLING POINT LOCATION:

6" Vent 6' N 12' W from NW corner of 3710 Enright bldg

AVERAGE WASTEWATER FLOW (GPD): 500

WASTEWATER SOURCE AND CATEGORY: Sanitary + Storm Water

#### DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	Once/3 mo

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- \*\* See Section I.A.2 of the permit conditions.
- \*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- \*\*\*\* See Section I.A.11 of the permit conditions.

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#### PERMIT CONDITIONS

# SECTION I - GENERAL CONDITIONS:

#### A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
  - 2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive <u>sampling</u> days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

- 3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:
  - a. Temperature, pH and chlorine residual measurements, when required, **shall be made on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
  - b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
  - c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

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4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:
  - a. All facility and sample description information required on the District's reporting form.
  - b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
  - c. Daily flows, with dates, for all measurements or estimates made within the quarter.
  - d. Any certification statements required pursuant to the Special Conditions in Section II.
  - e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 28

April 1 through June 30

July 28

October 1 through December 31

The report must be postmarked no later than:

April 28

October 28

January 28

A report must be submitted for <u>each</u> calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The <u>first report</u> under this permit is due by <u>April 28, 2017</u>. For non-quarterly self-monitoring requirements, the permit year commences on <u>January 1</u>.

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10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

## B. CHANGE IN DISCHARGE:

- 1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.
  - 3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:
    - a. Any discharge from a new process or facility or a new source.
    - b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more
    - c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
    - d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
    - e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
    - f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
    - g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

#### C. PROBLEM DISCHARGE:

1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

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2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

# D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

#### E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

# F. PERMIT TERMINATION OR MODIFICATION:

- 1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- 2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

# G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

Permit No.: Page No.:

<u> 1008545900 - 3</u>

Effective Date:

February 01, 2017

#### H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

#### I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

#### J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

# K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

#### L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

#### M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

- 2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.
- 3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

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February 01, 2017

#### **SECTION II- SPECIAL CONDITIONS:**

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

# A. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

# A.1. Sampling/Reporting Requirement for Ordinance Total Phenols

Analysis for Total Phenols is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol

4,6-dinitro-2-methylphenol

pentachlorophenol

2-chlorophenol

2,4-dinitrophenol

phenol

2,4-dichlorophenol

2-nitrophenol

2,4,6-trichlorophenol

2,4-dimethylphenol

4-nitrophenol

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method 625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

# A.2. No Monitoring When Influenced by Storm Runoff

Sampling points **001**, **002**, and **003** may, at times, convey storm water in addition to wastewater regulated by this permit. The self-monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

# B. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

#### B.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

- (1) For materials subject to licensing by the Nuclear Regulatory Commission:
  - 5 curies Hydrogen-3
  - 1 curie Carbon-14
  - 1 curie for all other radioactive materials combined
- (2) For all other materials:
  - 1 curie for all radioactive materials combined

Permit No.: Page No.:

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1.

Effective Date:

February 01, 2017

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

# B.2. Sampling Not Required at Non-Toxic/Low-Flow Sampling Point

The permittee is not required to sample discharges at sampling point **003**, provided the character of wastes discharged does not differ from that identified in the permit application. The permittee shall certify on each quarterly self-monitoring report that there has been no change in the character of the wastes discharged at sampling point 003 since the last report.

#### C. SPECIAL BILLING REPORTING REQUIREMENTS

# C.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on sixty-six (66) percent of the used water (on an annual basis) being discharged to the District from account number 00086730. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

THIS IS THE LAST PAGE OF THIS PERMIT

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORI	MATION	•			
Company Name: VA MEDICAL CEN	ITER				
Permit No: 1008545900 - 3	Effective I	Date: Feb 01, 20	17 E	xpiration Date:	Jan 31, 2022
Premise Address: 915 N. Grand Bou	ulevard, S	t. Louis, MO 631	06		
Monitoring Period: □(JAN-MAR	)	□(APR-JUNE)	<b>(</b> J(	ULY-SEPT)	□(OCT-DEC)
Samples Collected By:					
Analyses Performed By:					
PART II: ANALYTICAL RESUL	TS OF SI	ELF MONITORIN	IG		
MSD SAMPLE POINT REFERENCE NUMBERS	<b>⇒</b>				
DATES ON WHICH SAMPLES WERE COLLECTED	⇒				A STATE OF THE STA
TIMES AT WHICH SAMPLES WERE COLLECTED	⇒				
PARAMETER	LIMIT			OR E) AND RESULT OF THE SUIT O	
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You must complete and sign the certification statements on the second page.

# INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

# PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

# A - No change in wastewater discharge at sampling points with no monitoring required

certification for each report in which monitoring is waived:

I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sample point 003

For permit special conditions that waive monitoring at any sample point(s) specified in your permit, you are required to make the following

#### PART IV: GENERAL CERTIFICATION STATEMENTS

# B. Certify Discharge Monitoring Report & attachments

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official:	
Title:	Telephone:
Signature:	Date:



# Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

November 16, 2016

Mike Stogsdill Pipe Shop Supervisor VA MEDICAL CENTER 915 N. Grand Boulevard St. Louis, MO 63106

Re: Discharge Permit No:

1008545900 - 3

For premise at:

915 N. Grand Boulevard St. Louis, MO 63106

Dear Mr. Stogsdill:

The Metropolitan St. Louis Sewer District has completed its review of your application for renewal of the Industrial Wastewater Discharge Permit for the above premise. The current permit expires on <u>January 31</u>, <u>2017</u>.

Federal regulation 40 CFR 403 requires MSD to issue a permit to you. We based the draft permit on the following: information that you supplied in your Industrial User Questionnaire, on results from previous wastewater samplings and inspections, and on requirements contained in existing MSD ordinances and state and federal regulations.

The terms and conditions of this permit are substantially the same as in the previous permit. Please review this draft copy carefully. If you disagree with any of the terms or conditions of the proposed permit please inform us, in writing, within 15 working days of receipt. MSD will deem absence of a response within this period as acceptance of the draft permit, and we will proceed to issue the final permit.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer

Enclosures: Draft Industrial Wastewater Discharge Permit

cc: Doug Mendoza Dave Kupke METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1008545900 - 3

EFFECTIVE DATE: EXPIRATION DATE:

February 01, 2017 January 31, 2022

ISSUED TO: VA MEDICAL CENTER

915 N. Grand Boulevard

St. Louis, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS:

SAMPLING PT. REF NUMBER(S): 001, 002, 003

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other-discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer Douglas M. Mendoza, P.E. Mgr. of Industrial Pretreatment

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Page No.: Effective Date:

February 01, 2017

# DISCHARGE LIMITATIONS

001

SAMPLING POINT REFERENCE NUMBER:

SAMPLING POINT LOCATION:

MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 86,039

WASTEWATER SOURCE AND CATEGORY: Sanitary + Non-Contact Cooling Water (Autoclaves) + Cooling Tower Blowdown + Hospital Waste + Kitchen Waste + Laboratory Waste (Diagnosite Labs) + Boiler Blowdown

+ Regeneration/Reject Water + Storm Water

# DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

200 100 100 100 100 100 100 100 100 100	**************************************	NICE CONTROL OF THE PARTY OF TH	
Parameter		Limit	Sampling
raiailielei	Limits	Type **/	Frequency
Flow [GPD] Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) [mg/L] pH [SU] pH [SU] Temperature [Deg C] Total Suspended Solids Total Phenols [mg/L] Total Toxic Organics [mg/L]	200 11.5 5.5 60 21 5.844	Daily Avg Daily Avg Daily Avg Instant Instant Instant Daily Avg Instant Instant	Once/3 mo

Limits are based on MSD Ordinance/12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A. 14 of the permit conditions.

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## **DISCHARGE LIMITATIONS**

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION:

Offset MH @ Spring & Enright 75' SW of Bldg #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 23,521

WASTEWATER SOURCE AND CATEGORY: Sanitary + Cooling Tower Blowdown + Hospital Waste + Laboratory Waste (Diagnostic Lab) + Storm Water

# DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type	Sampling Frequency
Flow [GPD] Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) [mg/L] pH [SU] pH [SU] Temperature [Deg C] Total Suspended Solids Total Phenols [mg/L] Total Toxic Organics [mg/L]	200 11.5 5.5 60 21 5.84	Daily Avg Daily Avg Daily Avg Daily Avg Instant Instant Instant Instant Instant Instant Instant Daily Avg Instant Instant	Once/3 mo

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- \*\* See Section I.A.2 of the permit conditions
- \*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A.11 of the permit conditions.

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#### DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 003

SAMPLING POINT LOCATION: .

6" Vent 6' N 12' W from NW corner of 3710 Enright block

AVERAGE WASTEWATER FLOW (GPD): 500

WASTEWATER SOURCE AND CATEGORY: Sanitary + Storm Water

# DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Limit Sampling Parameter Limit Frequency Type \*; Flow [GPD] Once/3 mo

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section Il of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance
- See Section I.A.2 of the permit conditions
- Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A. 11 of the permit conditions.

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Effective Date:

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#### PERMIT CONDITIONS

# SECTION I - GENERAL CONDITIONS:

## A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
  - 2. The limitation types, which may be specified in this permit, are defined as follows:

An INSTANT limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A DAILY AVG limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A DAILY MAX limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A 4-DAY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

3. Unless-specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or-temperature, reporting shall be as per paragraph A.7 below.

b. For oil and grease, total phenois, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.

c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

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4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are

listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:
  - a. All facility and sample description information required on the District's reporting form.
  - b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
  - c. Daily flows, with dates, for all measurements or estimates made within the quarter.
  - d. Any certification statements required pursuant to the Special Conditions in Section II.
  - e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article. Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

The report must be postmarked no later than:

January 1 through March 31
April 1 through June 30
July 1 through September 30
October 1 through December 31

April 28
July 28
October 28
January 28

A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter first report under this permit is due by April 28, 2017. For non-quarterly self-monitoring requirements, the permit year commences on January 1.

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10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

# B. CHANGE IN DISCHARGE:

The permittee shall not significantly increase the average daily volume for flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.

The permittee shall notify the District's Division of Environmental Compliance of any proposed significant 2. new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

As defined in Article II of District Ordinance 12559, significant new or increased discharge means: 3.

Any discharge from a new process or facility of a new source.

b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or

Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.

Any addition of a hazardous waste subject to but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.

-Any increase in mass of an existing regulated pollutant when the new long term average daily mass

discharge of that pollutant will exceed the previous long term average by 20% or more.

Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance, 12559.

Any new batch discharges when previous discharges from an existing source at the permitted facility

occurred on a continuous basis.

# C. PROBLEM DISCHARGE

Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

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2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

# D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

a. The bypass is unavoidable to prevent loss of life, personal injury of severe property damage;

b. There are no feasible alternatives to the bypass; and

c. In the event of an anticipated bypass advance notice is provided to the District's Division of Environmental Compliance.

## E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

a. A violation of any term or condition of this permit.

b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

# F. PERMIT TERMINATION OR MODIFICATION

1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.

Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

# G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

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Effective Date: February 01, 2017

#### H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

#### I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge of a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

# J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

#### K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

# L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

# M. NOTIFICATION AND REPORTING

All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance

10 East Grand Avenue

St. Louis, Missouri 63147-2913

2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260

3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

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# **SECTION II- SPECIAL CONDITIONS:**

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

# A. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

# A.1. Sampling/Reporting Requirement for Ordinance Total Phenols

Analysis for Total Phenols is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol

4,6-dinitro-2-methylphenol

pentachlorophenol

2-chlorophenol

2,4-dinitrophenol

phenol

2,4-dichlorophenol 2,4-dimethylphenol

2-nitrophenol 4-nitrophenol

2/4,6-trichlorophenol

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method 625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

# A.2. No Monitoring When Influenced by Storm Runoff

Sampling points 001, 002, and 003 may, at times, convey storm water in addition to wastewater regulated by this permit. The self-monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

# B. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

# B 1 Radioactive Discharge Reporting Requirements

Remittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

For materials subject to licensing by the Nuclear Regulatory Commission:

5 curies Hydrogen-3 1 curie Carbon-14

Youre for all other radioactive materials combined

(2) For all other materials:

1 curie for all radioactive materials combined

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Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

B.2. Sampling Not Required at Non-Toxic/Low-Flow Sampling Point

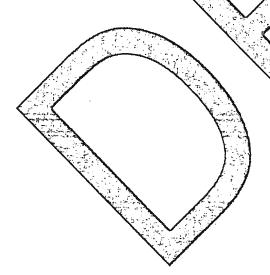
The permittee is not required to sample discharges at sampling point 003, provided the character of wastes discharged does not differ from that identified in the permit application. The permittee shall certify on each quarterly self-monitoring report that there has been no change in the character of the wastes discharged at sampling point 003 since the last report.

# C. SPECIAL BILLING REPORTING REQUIREMENTS

C.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter-the-District's system. The permittee is currently billed for sewer service charges based on sixty-six (66) percent of the used water (on an annual basis) being discharged to the District from account number 00086730. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

THIS IS THE LAST PAGE OF THIS PERMIT



# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORM					
Company Name: VA MEDICAL CENT					
Permit No: 1008545900 - 3 Ef	fective D	Date: Feb 01, 2017	' Expiration	Date: Jan 31, 20	)22
Premise Address: 915 N. Grand Boule	evard, St	t. Louis, MO 63106		$\wedge \setminus$	
Monitoring Period: □(JAN-MAR)		□(APR-JUNE)	□(JUL∜-SE	PT) D(QC	CT-DEC)
Samples Collected By:			^_`		
Analyses Performed By:				1111	
PART II: ANALYTICAL RESULT	S OF SE	LF MONITORING			
MSD SAMPLE POINT REFERENCE NUMBERS	<b>⇔</b>			<u> </u>	
DATES ON WHICH SAMPLES WERE COLLECTED	⇔				
TIMES AT WHICH SAMPLES WERE COLLECTED	⇔				
PARAMETER	LIMIT	RECORD SAMPLE TY ( G=grab, C=comp	PES (G. C, M OR E) Al posite, M=measured flow, E	ND RESULTS BELOW =estimated flow )	UNITS
FLOW	<				
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You must complete and sign the certification statements on the second page.

# INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

# PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

# A - No change in wastewater discharge at sampling points with no monitoring required

For permit special conditions that waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification for each report in which monitoring is waived:

\_\_\_\_\_ I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sample point 003.

# PART IV: GENERAL CERTIFICATION STATEMENTS

# **B. Certify Discharge Monitoring Report & attachments**

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official:

Title:

Telephone:

Date:

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

# **PERMIT FACT SHEET**

Check one:			
	Date: 11. Date:  [-		6
PERMIT NO: 1008545900-3		-c	122
,	N DAIL.	1/01/20	<u> </u>
COMPANY NAME: VA MEDICAL CENTER  PREMISE APPRESS: 045 N. Cound Phys. 63406			
PREMISE ADDRESS: 915 N. Grand Blvd, 63106			
RELATED ACCOUNT NUMBERS: 1030797900			
TYPE OF OPERATION: Hospital operations		٠	
TOTAL NUMBER OF SAMPLING POINTS: 3 or NO SAMPLING POINT			
NUMBER OF: ORDINANCE 3 CATEGORICAL 0 COMBINED 0			
CATEGORICAL INDUSTRY? YES ☐ NO ☒			
If Yes, 40 CFR Subpart PS	SES 🗌	PSNS [	
40 CFR Subpart PS	SES 🗌 I	PSNS [	]
EXTRA STRENGTH SURCHARGE? YES ☐ NO ☒ If Yes, BOD COD		TSS	
RETURN FACTOR? YES ⊠ NO ☐ If Yes, Acct #(s) <u>86730</u>	RF <u>0.66</u>		
SPECIAL CONDITIONS REQUIRED? YES ⊠ NO □			
All SMR start dates begin at start of calendar quarter:			ate
SMR General Cert. B attached to first permit SP (001) at reporting frequency of o	nce/3mc	)? Y ⊠ I	N 🔲 .
SUPPORTING DOCUMENTS ATTACHED "Special Certs & Gen Rpts for Spec Conditions not tied to Specific SPs" Sheet:	YES ⊠	NO .	N/A
Pollutant & Limitations Documentation Sheets:	$\boxtimes$		
Permit Preparation Checklist:	$\boxtimes$		
Production-based Standards Calc. Sheets (for Sampling Points)			$\boxtimes$
Mass-based Standards Calc. Sheets (for Sampling Points)			$\boxtimes$
Equivalent Concentration Limits Sheets (for Sampling Points)			$\boxtimes$
Most Strict Limits Sheets (for Sampling Points)			$\boxtimes$
Combined Wastestream Formula Sheets (for Sampling Points)			$\boxtimes$
Text of any Customized Special Conditions: If Yes, for which SCs:			$\boxtimes$
Other:			
COMMENTS (Include notations of any significant changes from las	t permit):	<u>:</u>	
<u>n/a</u>			

# PERMIT NO: 1008545900-3

SPECIAL CONDITIONS NOT TIED TO SPECIFIC SAMPLE POINTS

#	#	[none]	#	[none]	NO 🗌 N/A (No Certs) 🛚
#	#	[none]	#	[uou]	
#	#	[none]	#	[none]	)? YES □
#	#	[none]	*	[none]	associated with first permit sample point ( <u>001)</u> ?
#	#	<u>luoue</u>	#	[none]	n first permit sa
# <u>D.3</u>	#	[none]	#	[none]	associated with
# <u>E.18</u>	#	luoue	# <u>Rad</u> <u>Discharge</u>	once 3 mo	
# F.1	#	[none]	#	[none]	Are all the <u>SMR certifications</u> listed above
Special Condition:	List any related SMR certifications:	SMR certification frequency:	List any related General Reports:	General Report frequency:	Are all the SA

Check here if there are no non-SP-specific Special Conditions:

TYPE: Ord ☒ Cat ☐ Comb [

SAMPLING POINT REFERENCE NUMBER: 001

TYPE: Ord ⊠ Cat ☐ Comb ☐

SAMPLING POINT REFERENCE NUMBER: 002

Is this an Ord or Comb SP w/mon for TTO and that has no TOs on site? YES 🔲 NO 🖂 If Yes, is SMR Gen Cert. A attached at once/3 mo freq.? YES 🗌

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Wastewater Compo	Wastewater Components: Sanitary, Hospital WW, Lab WW	al WW, Lab W	, CT blowdown,	Storm	]				
Flow Rate: 23,521	Units: GPD	Basis	or Flow Rate: IU	IQ, received 09/19/2016	9/19/2016				
Pollutants	Basis for inclusion (or exclusion of std polls)	oolis)	Basis for limitation (Ord 12559, CFR etc)		Monitoring (	Basis for monitoring freq. (std for vol, etc; innocuous, low flow, etc)	oring freq. cuous, low flow, etc)	Any OK?	>~
GENERAL									
FLOW	Standard		n/a	ouce	once 3 mo	Standard			
BOD	Standard		n/a	ouce	once 3 mo	Standard + volume	a		
COD	Standard		n/a	ouce	once 3 mo	Standard + volume	o.		
O&G	Standard		Ord. 12559	ouce	once 3 mo	Discharge nature, lab	lab data presence	0	
Hd	Standard		Ord. 12559	ouce		Standard + volume	0		
Temp	Standard		Ord. 12559	ouce	once 3 mo	Standard + volume	a		
TSS	Standard		n/a	ouce	once 3 mo	Standard + volume	n		
Ord. TTO	Standard		Ord. 12559	ouce	once/year	Standard			
Total Phenols	KP, add for hospitals, prev permits	prev permits	Ord. 12559	ouce	once 3 mo	Standard, typical for hospitals	or hospitals		
				[none]					
PRIORITY/CATEGORICAL	ORICAL:			-					
				euou	-				
				[none					
				[none]	. [6				
, i				[none]	9]				
				[none]	(S)				
-				[uou]	(0)				
				[none]	,				
				[none]	- C	7			
				[none]	[6]				
				[none]	_				
Special Condition:	ndition.   # D 10	#	#	#	#	#	#	#	-
		-	<u> </u>	# management	<u> </u>			 	
List related SMR certs: SMR cert frequency:	R certs: # [none]	#	#	# [none]	# [none]	# [none]	# [none]	#	
List related General Rpts: General Rpt frequency:	al Rpts: #	# [none]	#	# [none]	# [none]	# [none]	# [uou]	# [none]	

Any significant changes? YES \Box NO \Box Explain:

Is this an Ord or Comb SP w/mon for TTO and that has no TOs on site? YES 🔲 NO 🖂 If Yes, is SMR Gen Cert. A attached at once/3 mo freq.? YES 📋

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Any significant changes? YES 

NO 

Explain:

SAMPLING POINT R	SAMPLING POINT REFERENCE NUMBER: 003	: 003	TYPE: Ord ⊠ Cat □ Comb □	Cat Com	_ q				
Wastewater Components, Sanitary, Storm Flow Rate: 500 Units: GPD	Units: GPD	Basis fo	for Flow Rate: IUQ, received 09/19/2016	JQ, received 0	9/19/2016				
Pollutants	Basis for inclusion (or exclusion of std polls)		Basis for limitation (ord 12559, CFRetc)	tation Mon	<u> </u>	Basis for monitoring freq. (std for vol, etc; innocuous, low flow, etc)	oring freq.	Any OK2	
GENERAL:									Т
FLOW	Standard		n/a	once	once 3 mo	Standard			Т
ВОД				[none]	[ <del>0</del>				Т
COD				[none]	0	0.00 A.D			Т
O&G			A WAR HANDLAND AND AND AND AND AND AND AND AND AND	[non]	Θ.				T
Hd				[none]	0				Т
Temp				[none]	0				Τ
TSS				[none]	0				Т
Ord. TTO				[none]	6				Т
				[none	е				Τ-
				[none]	0				Г
PRIORITY/CATEGORICAL	RICAL:						With title life, l		Т
				[none]	9	And desirable for the first of			Т
				[none]	[e]				
				[none]	[e]				Г
				[none]	[e]				1
				[none]	[9				<u> </u>
				[none	[e				Т
				[none]	[e]	,			Т
				[none]	[6				Г
	9-90000000			[none]	9	:			T
				euou]	[0				$\overline{}$
Special Condition:	idition: # <u>D.10</u>	# E.3	#	#	#	#	#	#	
List related SMR certs: SMR cert frequency:	certs: # [none]	# A	# [none]	# [none]	#	# [none]	#	# [none]	
List related General Rpts: General Rot frequency	Rpts: # [none]	#	#	# 	#	#	# [eucu]	#	
	_				DIO				

# PERMIT PREPARATION CHECKLIST – PART 1 (Fact Sheet Attachment)

Company Name: VA MEDICAL CENTER (on Grand Blvd)

Permit No.: <u>1008545900-3</u>

Effective Date: 2/1/2017

Prepared by: S. REHMER

Date: 11/14/2016

ANS	REVIEW THE PRETREATMENT DATABASE (PIMS), INDUSTRY FILE AND PERMIT APPLI WER THESE QUESTIONS & UPDATE THE DATABASE PRIOR TO DEVELOPING THE DRAFT	
1.	Are the correct SICs listed?	Yes ⊠ No □
<i>arxarxarxa</i> 2.	indialangus and	Yes \(\Pi\) No \(\Rightarrow\)
	If yes, date last certified:	
10720720720720	If yes, Special Condition F.2 applies.	TIBIBIBIBI
3.	Does user's premise have more than one MSD account?	Yes ⊠ No 🗌
	If yes, were all account numbers correctly listed (including occupant #s)?	Yes ⊠ No 🗌
1071.071.071.071.0	If no, have account numbers been corrected in database before proceeding?	Yes No
4.	Does user have a Return Factor (RF) other than 1.00 for any account?  If yes, list acct no., RF and date last updated:	Yes ⊠ No □
	Acct <u>86730</u> RF <u>0.66</u> Updated <u>11/13/2013</u>	
	Acct RF Updated	
1011.001.001.001.001.001.001.001.001.00	If yes, Special Condition F.1 applies.  Does user discharge water from a source not included in the MSD Billing system?	
5.	If yes, Special Condition F.3 & General Report "Discharge Volume for Billing" apply.	Yes ☐ No 🏻
	If yes, Is a flow meter used to record the volume discharged from this other source?	Yes 🗌 No 🗍
	If yes, SC E.37 and Gen. Rpt. "Calibration of Discharge Flow Meter" apply.	Les 🗀 MO 🗀
	If no. SC F 38 applies	
6.	Have you established agreement among permit application, water consumption records and PIMS on component flows at each SP, total SP flows and total premise flow?	Yes ⊠ No 🔲
	PIMS on component flows at each SP, total SP flows and total premise flow?	
aranan kara	If no, explain  Has user been granted any variances from ordinance limitations?	
7.	If yes, Application Date:	Yes ∐ No ⊠
	Approval Date:, or approved as part of this permit issuance? Yes	
	(Variances cannot last more than 5 years after approval)	
	If yes, Parameter(s) at SP(s)	
	If yes, Special Condition C.4 applies.	T   T   T   T   T   T   T   T   T   T
8.	Have any numerical limitations been applied to user, in addition to those already contained in the ordinance?	Yes 🗌 No 🛛
	If ves Parameter(s) at SP(s)	
	Date limit(s) originally applied:, or as part of variance above?	Vac 🖾 Ma 🖂
	Date limit(s) originally applied:, or as part of variance above? If yes, are Special Conditions, other than the standard special conditions, required? If yes, explain under "non-standard special conditions" question below.	Yes 📋 No 📙
9.	Does user discharge any radioactive materials?	Yes ⊠ No □
<b>O</b> .	If yes, Special Condition E.18 & General Report "Radiation Discharge" apply.	103 M 110 M
10.	Does user generate wastes and/or wastewater by genetic engineering research?	Yes ☐ No 🏻
'00'/00'/00'/00'/00'/	If yes, Special Condition B.12 applies.  Do all of the user's active connections, to MSD sewers, have identified SPs?	
11.		Yes 🛛 No 🗌
	If no, explain: If no, is documentation sufficient to use Special Condition	
	E.5 Thou "Sampling Not Required at Connections with NO SP and with SP on parts",	Yes 🗌 No 🗌
	E.6 Sampling Not Required at Connection with NO SP on it",	
•	E.7 The "Sampling Not Required at Connection with SP on only part of it", or	
	E.8 T "Sampling Not Required at Permittee with No SP"?	
	If no, is compliance schedule necessary to obtain documentation?	Yes 🗌 No 🗌
07/07/07/07/07/07	lf yes, Special Condition G.1 is necessary. Հարրատությանական արագարան արգարարարան արգարարարար արդան արգարան արդան արդան արդան արդան արդան արդան արդան արդա	801887.8871887.887188718871887188718871887
12.	Does premise require use of "upstream/downstream" sampling?	Yes 🔲 No 🔯
	If yes, Upstream SP # & Downstream SP #	
######################################	If yes, Special Conditions D.11 and E.9 apply.  When there any inactive connections to MSD sewers?	
<sub>.</sub> 13.	If ves. Special Condition E10 applies.	Yes ∐ No ⊠
14.	Have you verified, in PIMS, the SP location descriptions are complete and adequate?	Yes ⊠ No □
15.	Have you verified, in PIMS, the discharge components, process descriptions and related	na in a un
10.	flows at all SPs, are complete and adequate?	Yes ⊠ No □
487,487/487,487/48		

16.	Does user have any discharges subject to NPDES permitting regulations?	Yes 🗌 No 🛛
	If yes, list MSD points & corresponding NPDES points:	•
WT.BT.BT.BT.B	If yes, Special Condition E.14 applies.  Do any SPs convey stormwater in addition to regulated wastewater?	י און
17.	Do any SPs convey stormwater in addition to regulated wastewater?	Yes ⊠ No 🗌
	If yes, list points: 001, 002, 003 and note on P&LD sheets.	
1001001001/00/	If yes, <b>Special Condition D.10</b> applies.	
18.	Are any SPs Dry Justified in PIMS?	Yes ☐ No 🛛
	If yes, list points and note on P&LD sheets.	Section Section 1
	If yes, no self-monitoring is required, and Special Condition E.3 applies.	
19.	Are there SPs where user discharges only non-process wastewater?	Yes ⊠ No □
10.	If yes, does no self-monitoring requirement / Special Condition E.3 apply?	Yes ⊠ No □
		103 24 140
20.	If yes, list points <u>003</u> and note on P&LD sheets.  Are there SPs with infrequent discharges that require coordination with the user for MSD to	
20.	collect samples?	Yes ☐ No 🏻
	If yes, list points: and note on P&LD sheets.	
*******************	If yes, Special Condition D.14 applies.  Is documentation adequate to allow use of grab samples in lieu of composites at any SPs?	! 887   887   887   887   887   887   887   887   887   887   887   887   887   887   887   887   887   887
21.	Is documentation adequate to allow use of grab samples in lieu of composites at any SPs?	Yes ☐ No 🛛
	If yes, list points and note on P&LD sheets.	
	If yes, Special Condition D.1 applies.	
22.	If yes, Special Condition D.1 applies.  Are there SPs with self-monitoring requirements, but at less than a quarterly frequency, for	
	<u>all</u> parameters?	Yes ☐ No 🛛
	If yes, list points and note on P&LD sheets.	- Burned - Gunnal
	If yes, Special Condition E.4 applies.	
23.	Can local limits TTO be removed from monitoring at any ordinance SPs?	Yes 🗌 No 🛛
	If yes, list points and explain on P&LD sheets. If yes, does TTO also need to be removed from MSD's monitoring?	
	If yes, discuss with inspector (name:) and explain why it had	Yes 🗌 No 🗌
	been monitored by MSD:	
.01.01.01.01.0	an instance of the monitory of compliance problems at this or a previous location?	
24.	If yes, explain problems:	Yes 🗌 No 🛛
	If yes, is a compliance schedule required?	V 0 N 0
	If yes, Special Condition G.1 applies.	Yes 🗌 No 🗍
	Is supporting documentation attached?	·
	· · ·	Yes ∐ No ∐
		~
	If yes, are any other special requirements required?	Yes 🗌 No 🗍
@:@1@1@1@ 	Explain:	
ermanana 25.	Explain:  Is user required to monitor for Total Phenols at an ordinance SP?	Yes ⊠ No □
25.	Explain:	
25. 25.	Explain:  Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for:	Yes No Yes No No
187.187.187.187.18	Explain:  Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for:	Yes No Yes No No Yes No No Yes
187.187.187.187.18	Explain:  Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for:  pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.	Yes No Yes No No No Yes No
187.187.187.187.18	Explain:  Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for:  pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.	Yes No Yes No No Yes No No Yes
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187.187.187.187.18	Explain:  Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for:  pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.  If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?	Yes No Yes No No No Yes No
187.187.187.187.18	Explain:  Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for:  pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.  If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?	Yes No No Yes No No Yes No Yes No Yes No Yes No Yes No X
26.	Explain:  Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for:  pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.  If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?  Does the company perform any processes for which summaries of activities are needed?  If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.	Yes No Xes No Xe
26.	Explain:  Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for:  pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.  If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?  Does the company perform any processes for which summaries of activities are needed?  If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.  Are special billing conditions, other than the standard Special Conditions, needed?	Yes No Yes
26.	Explain:  Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for:  pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.  If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?  Does the company perform any processes for which summaries of activities are needed?  If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.  Are special billing conditions, other than the standard Special Conditions, needed?  If yes, describe:	Yes No Xes No Xe
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26.	Explain:  Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for:  pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.  If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?  Does the company perform any processes for which summaries of activities are needed?  If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.  Are special billing conditions, other than the standard Special Conditions, needed?  If yes, describe:  If yes, Special Condition F.4 applies.  Does General Report "Discharge Volume for Billing" apply?	Yes No No Yes No No Yes No No Yes No No Yes No No Yes No No Yes No No No Yes No No No Yes No No No Yes No No Yes No No Yes No No
26.	Explain:  Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for:  pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.  If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?  Does the company perform any processes for which summaries of activities are needed?  If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.  Are special billing conditions, other than the standard Special Conditions, needed?  If yes, Special Condition F.4 applies.  Does General Report "Discharge Volume for Billing" apply?  Does General Report "Custom Non-Standard" apply?	Yes
26.	Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for: pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.  If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?  Does the company perform any processes for which summaries of activities are needed?  If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.  Are special billing conditions, other than the standard Special Conditions, needed?  If yes, Special Condition F.4 applies.  Does General Report "Discharge Volume for Billing" apply?  Does General Report "Custom Non-Standard" apply?  Are any Special Conditions, other than the standard special conditions, required?	Yes No No Yes No No Yes No No Yes No No Yes No No Yes No No Yes No No No Yes No No No Yes No No No Yes No No Yes No No Yes No No
**************************************	Is user required to monitor for Total Phenols at an ordinance SP? If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for: pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.  If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?  Does the company perform any processes for which summaries of activities are needed?  If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.  Are special billing conditions, other than the standard Special Conditions, needed?  If yes, describe: If yes, Special Condition F.4 applies.  Does General Report "Discharge Volume for Billing" apply?  Does General Report "Custom Non-Standard" apply?  Are any Special Conditions, other than the standard special conditions, required?  If yes, explain:	Yes
**************************************	Is user required to monitor for Total Phenols at an ordinance SP? If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for: pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply. Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply. LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply. If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?  Does the company perform any processes for which summaries of activities are needed? If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.  Are special billing conditions, other than the standard Special Conditions, needed? If yes, describe: If yes, Special Condition F.4 applies. Does General Report "Discharge Volume for Billing" apply? Does General Report "Custom Non-Standard" apply?  Are any Special Conditions, other than the standard special conditions, required? If yes, explain: Which Special Condition applies?	Yes No Xes No Xe
**************************************	Is user required to monitor for Total Phenols at an ordinance SP? If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for: pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply. Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply. LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply. If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?  Does the company perform any processes for which summaries of activities are needed? If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.  Are special billing conditions, other than the standard Special Conditions, needed? If yes, Special Condition F.4 applies. Does General Report "Discharge Volume for Billing" apply? Does General Report "Custom Non-Standard" apply?  Are any Special Conditions, other than the standard special conditions, required? If yes, explain: Which Special Condition applies? Is supporting documentation attached?	Yes
**************************************	Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for: pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.  If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?  Does the company perform any processes for which summaries of activities are needed?  If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.  Are special billing conditions, other than the standard Special Conditions, needed?  If yes, Special Condition F.4 applies.  Does General Report "Discharge Volume for Billing" apply?  Does General Report "Custom Non-Standard" apply?  Are any Special Conditions, other than the standard special conditions, required?  If yes, explain:  Which Special Condition applies?  Is supporting documentation attached?  If no, explain:	Yes   No   Yes   Yes   No   Yes   Yes   No   Yes
**************************************	Is user required to monitor for Total Phenols at an ordinance SP? If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for: pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply. Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply. LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply. If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?  Does the company perform any processes for which summaries of activities are needed? If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.  Are special billing conditions, other than the standard Special Conditions, needed? If yes, Special Condition F.4 applies. Does General Report "Discharge Volume for Billing" apply? Does General Report "Custom Non-Standard" apply?  Are any Special Conditions, other than the standard special conditions, required? If yes, explain: Which Special Condition applies? Is supporting documentation attached?	Yes No Xes No Xe
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26.	Is user required to monitor for Total Phenols at an ordinance SP?   If yes, does Special Condition D.3 for Total Phenols monitoring options apply?	Yes
**************************************	Is user required to monitor for Total Phenols at an ordinance SP? If yes, does Special Condition D.3 for Total Phenols monitoring options apply?  Has user chosen to employ continuous monitoring techniques for: pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.  Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.  If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'?  Does the company perform any processes for which summaries of activities are needed?  If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.  Are special billing conditions, other than the standard Special Conditions, needed?  If yes, Special Condition F.4 applies.  Does General Report "Discharge Volume for Billing" apply?  Does General Report "Custom Non-Standard" apply?  Are any Special Conditions, other than the standard special conditions, required?  If yes, explain:  Which Special Condition applies?  Is supporting documentation attached?  If no, explain:  Does General Report "Custom Non-Standard" apply?	Yes No Ye
**************************************	Is user required to monitor for Total Phenols at an ordinance SP?   If yes, does Special Condition D.3 for Total Phenols monitoring options apply?	Yes No Ye

List all the Special Conditions from Part 1 that are applicable to this permit.
List those that are specific to a sampling point on that sampling point's fact sheet, too.
List those that are not specific to a sampling point on the "Special Conditions Not Tied to Specific SPs" fact sheet, too.

Special Condition #	Sampling Point #
<b>7.</b>	
F.1	n/a
E.18	n/a
D.10	001, 002, 003
E.3	003
D.3	n/a
7, 1	
	E.18 D.10 E.3



# Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

March 25, 2016

Mike Stogsdill
Pipe Shop Supervisor
VA MEDICAL CENTER
915 N. Grand Boulevard
St. Louis, MO 63106

Re: Discharge Permit No:

1008545900 - 2.1

For premise at:

915 N. Grand Boulevard, St. Louis, MO 63106

Dear Mr. Stogsdill:

Your Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit issued on <u>February 1, 2012</u>, for the above premise, is hereby revised as per the attached revised permit.

The following revisions were made to the permit:

- Added new Sample Point 003 (6" Vent 6' N 12' W from NW corner of 3710 Enright bldg.)
- Added Special Condition B.2 (and special certification A) for no change in character of wastewater discharged at SP003
- Added SP003 to Special Condition A.2 for no monitoring during storm runoff

We have reissued the entire permit for your convenience. Please replace your prior permit with this letter and the revised permit. The terms of the revised permit supersede your prior permit.

You must submit monitoring reports on a quarterly basis, as required by the conditions of this permit. The necessary report form is appended to the permit. It includes the specific certifications required by your permit. Please use this form for your report submittals.

This revision does not affect any monitoring or analysis of your discharge that may be necessary to comply with other requirements of your permit and in no way relieves you of your obligations to achieve the discharge limitations as provided in the permit.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit, Self-monitoring Report Form

cc: Doug Mendoza Dave Kupke

# METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1008545900 - 2.1

EFFECTIVE DATE:

April 01, 2016

**EXPIRATION DATE:** 

January 31, 2017

ISSUED TO: VA MEDICAL CENTER

915 N. Grand Boulevard

St. Louis, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 3

SAMPLING PT. REF NUMBER(S): 001, 002, 003

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer

Assistant Engineer

Mer. of Industrial Pretreatment

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Effective Date:

April 01, 2016

# DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION:

MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 84,773

WASTEWATER SOURCE AND CATEGORY: Sanitary + Hospital Waste + Kitchen Waste + Laboratory Waste(Animal, Research, + Diagnostic Labs) + Boiler Blowdown + Regeneration/Reject Water + Non-Contact Cooling Water(Autoclaves) + Cooling Tower Blowdown + Storm Water

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD] Biochemical Oxygen Demand (5 Day) [mg/L] Chemical Oxygen Demand [mg/L] Oil and Grease (Total) [mg/L] pH [SU] pH [SU] Temperature [Deg C] Total Suspended Solids [mg/L] Total Phenols [mg/L] Total Toxic Organics [mg/L]	****  ****  200  11.5  5.5  60  ****  21  5.844	Daily Avg Daily Avg Daily Avg Instant Instant Instant Instant Daily Avg Instant Instant	Once/3 mo

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section Il of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- See Section I.A.2 of the permit conditions.
- Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- See Section I.A.11 of the permit conditions.

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April 01, 2016

# DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION:

Offset MH @ Spring & Enright 75' SW of building #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 25,187

WASTEWATER SOURCE AND CATEGORY: Hospital Waste + Sanitary + Laboratory Waste (Diagnostic + Research Labs) + Cooling Tower Blowdown + Storm Water

Parameter	Limít *	Limit Type **	Sampling Frequency
			20200022000000000000000000000000000000
Flow [GPD]	**	Daily Avg	Once/3 mo
Biochemical Oxygen Demand (5 Day) [mg/L]	. ***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	55	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	***	Daily Avg	Once/3 mo
Total Phenois [mg/L]	21	Instant	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year

Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

<sup>\*\*</sup> See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

<sup>\*\*\*\*</sup> See Section I.A.11 of the permit conditions.

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April 01, 2016

# DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER:

003

SAMPLING POINT LOCATION:

6" Vent 6' N 12' W from NW corner of 3710 Enright building

AVERAGE WASTEWATER FLOW (GPD): 100

WASTEWATER SOURCE AND CATEGORY: Sanitary + Storm Water

Parameter	Limit *	Limit Type **	Sampling Frequency	
Flow [GPD]	***	Daily Avg	Once/3 mo	

- \* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V. Section 2.B of the Ordinance.
- \*\* See Section I.A.2 of the permit conditions.
- \*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- \*\*\*\* See Section I.A.11 of the permit conditions.

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Effective Date:

# PERMIT CONDITIONS

# **SECTION I - GENERAL CONDITIONS:**

# A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
  - 2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A DAILY MAX limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive <u>sampling</u> days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

- 3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:
  - a. Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
  - b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
  - c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

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4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are

listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

5. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15,

which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:
  - a. All facility and sample description information required on the District's reporting form.
  - b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
  - c. Daily flows, with dates, for all measurements or estimates made within the quarter.
  - d. Any certification statements required pursuant to the Special Conditions in Section II.
  - e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

July 28

October 28

January 28

A report must be submitted for <u>each</u> calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The <u>first report</u> under this permit is due by <u>July 28, 2016</u>. For non-quarterly self-monitoring requirements, the permit year commences on <u>January 1</u>.

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

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11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

# B. CHANGE IN DISCHARGE:

- 1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.
  - 3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:
    - a. Any discharge from a new process or facility or a new source.
    - b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
    - c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
    - d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
    - e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
    - f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
    - g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

# C. PROBLEM DISCHARGE:

- 1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.
- 2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to

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continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

# D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- There are no feasible alternatives to the bypass; and
- In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

# E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- A violation of any term or condition of this permit. a.
- A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

# F. PERMIT TERMINATION OR MODIFICATION:

- This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

# G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

# H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

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# I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

# J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

# K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

# L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

# M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

- 2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.
- 3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

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# **SECTION II- SPECIAL CONDITIONS:**

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

# A. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

### Sampling/Reporting Requirement for Ordinance Total Phenols A.1.

Analysis for Total Phenols is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol

4.6-dinitro-2-methylphenol

pentachlorophenol

2-chlorophenol

2.4-dinitrophenol

phenol

2.4-dichlorophenol

2-nitrophenol 4-nitrophenol 2,4,6-trichlorophenol

2.4-dimethylphenol

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method 625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

### No Monitoring When Influenced by Storm Runoff A.2.

Sampling points 001, 002, and 003 may, at times, convey storm water in addition to wastewater regulated by this permit. The self-monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

# B. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

### Radioactive Discharge Reporting Requirements B.1.

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

- For materials subject to licensing by the Nuclear Regulatory Commission:
  - 5 curies Hydrogen-3
    - 1 curie Carbon-14
    - 1 curie for all other radioactive materials combined
- For all other materials:
  - 1 curie for all radioactive materials combined

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District

1008545900 - 2.1

Page No.: Effective Date:

11 April 01, 2016

determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

# B.2. Sampling Not Required at Non-Toxic / Low-Flow Sampling Point

The permittee is not required to sample discharges at sampling point **003**, provided the character of wastes discharged does not differ from that identified in the permit application. The permittee shall certify on each quarterly self-monitoring report that there has been no change in the character of the wastes discharged at sampling point **003** since the last report.

# C. SPECIAL BILLING REPORTING REQUIREMENTS

# C.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on **sixty-six** (66) percent of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

THIS IS THE LAST PAGE OF THIS PERMIT

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORM	<b>MATION</b>							
Company Name: VA MEDICAL CEN	TER							
Permit No: 1008545900 - 2.1	Effective	Date	Apr 01, 201	6	Expiration	on Da	ate: Jan 31, 2	2017
Premise Address: 915 N. Grand Bou					•			
Monitoring Period: □(JAN-MAR)	)		APR-JUNE)		□(JULY-St	EPT)	□(O	CT-DEC)
Monitoring Period: □(JAN-MAR) Samples Collected By: □		•			,			,
Analyses Performed By:								
PART II: ANALYTICAL RESULT								
MSD SAMPLE POINT REFERENCE NUMBERS	⇔						a .	3. 10. 20.
DATES ON WHICH SAMPLES WERE COLLECTED	⇔				**************************************		-	
TIMES AT WHICH SAMPLES WERE COLLECTED	⇔						·	100 mg 10
PARAMETER	LIMIT	RE	CORD SAMPLE T ( G=grab, C=cor	YPES	(G, C, M OR E) A , M=measured flow,	ND RI	ESULTS BELOW nated flow )	UNITS
FLOW	-						,	
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You must complete and sign the certification statements on the second page.

# INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

# PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

# A. No change in wastewater discharge at sampling points with no monitoring required

certification for each report in which monitoring is waived:

| Certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sample point 003.

For permit special conditions that waive monitoring at any sample point specified in your permit, you are required to make the following

# PART IV: GENERAL CERTIFICATION STATEMENTS

# B. Certify Discharge Monitoring Report & attachments

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official: _			
Title:		Telephone:	
Signature:	;	Date:	

1

Company Name: VA MEDICAL CENTER

MIN

Reviewed by:

REV 2/12/2015

Date:

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

# **DOCUMENTATION FORM for PERMIT REVISION**

Premise Addre	ess: <u>915 N. Gra</u>	nd Blvd, 63106		,				
Former Permit I	No: <u>111404600</u>	0-2	Or	iginal Effective	e Date:	2/1/2012	2	
Revised Permit I	No: <u>100854590</u>	<u>0-2.1</u>	Rev	ision Effective	e Date:	4/1/2016	į	
WHY - Cite regula	ation, policy, etc.	and identify any	other documents which	support the re	evision:			
			ated (sanitary & storm					
WHAT - Briefly ex	xplain what is to b	e revised and th	en list the pages & how	affected:				
Add SP00	3 to permit; add	to spec cond E	.3 (and spec cert A);	add to spec c	ond D.	<u>10.</u>		
			tions for which answers	have change	d from l	ast permit	<u>, and</u>	
complete those qu		the applicable ch	necklist sheets:			T.		
See below	<u>v.</u>							
Pg. # <u>1</u>	Permit #,	Eff date, # of SP	's, SP ref # 003					
Pg. # 4		et for SP003						
Pg. # <b>6</b>	First repo	rt due date						
Pg. # <u>10</u>	Added SP	003 to spec cor	nd A.2 (D.10) for storm	<u>ıwater</u>				
Pg. # 11	Added sp	Added spec cond B.2 (E.3) for certify no change in flow						
Pg. # <u>12</u>	Permit #,	Eff date						
<u>13</u>	Added Sp	ec Cert A for SF	<u> 2003.</u>	ı				
SMR Start Dates f Once/3 mo Once/6 mo Once/year	o: <u>4/1/2016</u> o:	or no new re	equirements equirements equirements					
·		<u> </u>	oqui omonio					
SUPPORTING DO				YES	NO	N/A		
•	•		tied to Specific SPs" Sh			<b></b>		
Permit Preparation	` •	. •						
	•		Sampling Points <u>003)</u>					
		•	pling Points)					
Mass-based Stand			<del></del>					
Most Strict Limits	•		<del></del>			$\boxtimes$		
			ling Points) for which SCs:			$\boxtimes$		
Other:	mzed opediai od	, , , , , , , , , , , , , , , , , , ,	WIIION 003		<u> </u>			
<u> </u>								
Prepared by:	S. Rehmer 4	Date: 3/21/2016						

Page 1 of 3

CHANGES TO

Special Certifications & General Reports for Special Conditions not tied to specific sample points

ADDITIONS:	ADDITIONS: Special Conditions: #	#	#	#	#	#	#
	Related SMR Certs: #SMR Cert Frequency: [none]	# [none],	# [none],	# [none],	# [none],	# [none],	# [none]
	Related General Rpt: Gen Rpt Frequency: <u>[none]</u> ,	[none]	[none],	[none]	[none],	[none],	none
Are th	Are the ADDITIONAL SMR certs associated with first permit sample point	ciated with first pe	rmit sample poi	nt ()?	YES 🗌 N(	ON.	
DELETIONS:	DELETIONS: Special Conditions: #	#	     	   	#	#	#
	Related SMR Certs: #	#	,   	,	#	#	#
	Related General Rpt:		•				
Were	Were the DELETED SMR certs removed from the first permit sample point	ed from the first p	ermit sample po	oint ( )?	YES NO		

Check here if there are <u>no changes</u> to non-SP-specific Special Certifications or General Reports:

# PERMIT PREPARATION CHECKLIST – PART 1 (Fact Sheet Attachment)

Company Name: VA MEDICAL CENTER Permit No.: 1008545900-2.1 Effective Date: 4/1/2016 Prepared by: S. REHMER Date: 3/21/2016 REVIEW THE PRETREATMENT DATABASE (PIMS), INDUSTRY FILE AND PERMIT APPLICATION. ANSWER THESE QUESTIONS & UPDATE THE DATABASE PRIOR TO DEVELOPING THE DRAFT PERMIT. Have you verified, in PIMS, the SP location descriptions are complete and adequate? 14. Yes 🔀 No [ Have you verified, in PIMS, the discharge components, process descriptions and related flows at all SPs, are complete and adequate? Yes 🖂 Do any SPs convey stormwater in addition to regulated wastewater? Yes 🛛 No [ If yes, list points: 003 and note on P&LD sheets. If yes, Special Condition D.10 applies. Are there SPs where user discharges only non-process wastewater? 19. Yes 🛛 No [ If yes, does no self-monitoring requirement / Special Condition E.3 apply? Yes No [ If yes, list points 003 and note on P&LD sheets. List all the Special Conditions from Part 1 that are applicable to this permit.
List those that are specific to a sampling point on that sampling point's fact sheet, too.
List those that are not specific to a sampling point on the "Special Conditions Not Tied to Specific SPs" fact sheet, too. General Report Special Condition # Sampling Point # D.10 003 E.3 003

**PERMIT NO: 1008545900-2.1** 

A Q K 2 [none] [none] NEW SP ⊠ or CHANGE to SP □ # # # Basis for monitoring frequency [none] [none] # # # Basis for Flow Rate: Flow estimate at facility inspection, 2/23/16 [none] [none] Standard # # # [none] none Monitoring frequency once 3 mo # # TYPE: Ord ⊠ Cat ☐ Comb ☐ [none] [none] [none] [none] none [none] [none] [none] [none] [none] [none] none [none] [none] [none] [none] none [none] [none] none [none] Basis for limitation # # # FOR SPs WITH CHANGES, COMPLETE ONLY WHAT HAS CHANGED. none [none] # # <u>\_</u> once 3 mo [none] # E.3 ¥¥ SAMPLING POINT REFERENCE NUMBER: 003 # (or exclusion of std polls) Wastewater Components: Sanitary, Storm Basis for inclusion [none] # D.10 [none] Units: GPD Standard PRIORITY/ CATEGORICAL: Special Condition: List related General Rpts: General Rpt frequency: List related SMR certs: SMR cert frequency: Flow Rate: 100 **Pollutants** GENERAL: Ord. TTO FLOW Temp BOD COD 080 TSS H

Is this an Ord or Comb SP w/mon for Ord TTO and that has no TOs on site? YES 📋 NO 🖂 If Yes, is SMR Gen Cert. A attached at once/3 mo freq.? YES 📋



# Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

January 5, 2012

Ed Beaty, Pipefitter Supervisor VA MEDICAL CENTER 915 N. Grand Boulevard St. Louis, MO 63106

Re: Discharge Permit No:

1114046000 - 2

For premise at:

915 N. Grand Boulevard, St. Louis, MO 63106

Dear Mr. Beaty:

The Metropolitan St. Louis Sewer District has developed an Industrial Wastewater Discharge Permit for the above premise. Federal regulation 40 CFR 403 requires MSD to issue a permit to you. We based the permit on the following: information that you supplied in your Industrial User Questionnaire, on results from previous wastewater samplings and inspections, and on requirements contained in existing MSD ordinances and state and federal regulations.

Except as noted in this paragraph, the terms and conditions of this permit are substantially the same as in the previous permit. Changes include:

 Added sampling and reporting requirement for sampling ordinance total phenois, required by all hospitals and health care facilities

The previous permit, effective January 01, 2008, is voided as of the effective date of the enclosed permit.

You must submit monitoring reports on a quarterly basis, as required by the conditions of this permit. The first report due date, for this reissued permit, is based on a complete calendar quarter monitoring period. The permittee remains responsible for reporting for the preceding calendar quarter under the previous permit. The necessary report form is appended to the permit. It includes the specific certifications required by your permit. Please use this form for your report submittals. Instructions for completing the report form also are enclosed with this letter.

If you disagree with any of the terms or conditions of this permit please inform us, in writing, within 15 working days of receipt. MSD will deem absence of a response within this period as acceptance of the permit.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit,

Self-monitoring Report Form, Self-monitoring Report Instructions

cc: Doug Mendoza Dave Kupke

# METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1114046000 - 2

EFFECTIVE DATE: EXPIRATION DATE:

February 01, 2012 January 31, 2017

ISSUED TO: VA MEDICAL CENTER

915 N. Grand Boulevard St. Louis, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 2

SAMPLING PT. REF NUMBER(S): 001, 002

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott Mr. Renmer Assistant Engineer

Douglas M. Mendoza/P.E. Mgf. of Industrial Pretreatment

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Page No.: Effective Date:

February 01, 2012

# DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 00

SAMPLING POINT LOCATION:

MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 84,773

WASTEWATER SOURCE AND CATEGORY: Storm Water + Sanitary + Non Contact Cooling Water + Hospital Waste + Kitchen Waste + Laboratory Waste(Animal, Research, + Diagnostic Labs) + Boiler Blowdown + Regeneration/Reject Water

Parameter	Limit *	Limit Type **	Sampling Frequency
Discharged Owners Demand (5 Day) [rest]	***	D-34. A	0
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
Flow [GPD]	200	Daily Avg	
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids [mg/L]	***	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- \*\* See Section I.A.2 of the permit conditions.
- \*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- \*\*\*\* See Section I.A.11 of the permit conditions.

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Page No.: Effective Date:

3 February 01, 2012

# DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION:

Offset MH @ Spring & Enright 75' SW of building #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 25,187

WASTEWATER SOURCE AND CATEGORY: Storm Water + Hospital Waste + Sanitary + Non Contact Cooling Water + Laboratory Waste(Diagnostic + Research Labs)

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids [mg/L]	***	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- \*\* See Section I.A.2 of the permit conditions.
- Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- \*\*\*\* See Section I.A.11 of the permit conditions.

Permit No.: 1114046000 - 2
Page No.: 4

Effective Date: February 01, 2012

PERMIT CONDITIONS

**SECTION I - GENERAL CONDITIONS:** 

# A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
  - 2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A DAILY MAX limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive <u>sampling</u> days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

- 3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:
  - a. Temperature, pH and chlorine residual measurements, when required, **shall be made on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
  - b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
  - c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

 Permit No.:
 1114046000 - 2

 Page No.:
 5

 Effective Date:
 February 01, 2012

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:
  - a. All facility and sample description information required on the District's reporting form.
  - b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
  - c. Daily flows, with dates, for all measurements or estimates made within the quarter.
  - d. Any certification statements required pursuant to the Special Conditions in Section II.
  - e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

July 28

October 28

January 28

A report must be submitted for <u>each</u> calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The <u>first report</u> under this permit is due by <u>July 28, 2012</u>. For non-quarterly self-monitoring requirements, the permit year commences on <u>April 1</u>.

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Page No.: 6
Effective Date: February 01, 2012

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

## B. CHANGE IN DISCHARGE:

- 1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.
  - 3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:
    - Any discharge from a new process or facility or a new source.
    - b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
    - c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
    - d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
    - e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
    - f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
    - g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

# C. PROBLEM DISCHARGE:

1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

Permit No.: 1114046000 - 2
Page No.: 7

Effective Date: February 01, 2012

- 2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.
- 3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

# D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

# E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

# F. PERMIT TERMINATION OR MODIFICATION:

- 1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- 2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

# G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

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Page No.: Effective Date:

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H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

# I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

# J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

# K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

# L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

# M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

- 2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.
- 3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

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February 01, 2012

# **SECTION II- SPECIAL CONDITIONS:**

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

# A. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

# A.1. Sampling/Reporting Req for Ordinance Total Phenols

Analysis for Total Phenois is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol

4,6-dinitro-2-methylphenol

pentachlorophenol

2-chlorophenol

2,4-dinitrophenol

phenol

2,4-dichlorophenol 2,4-dimethylphenol

2-nitrophenol 4-nitrophenol

2,4,6-trichlorophenol

an option, prior to performing the Method 625 analys

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method 625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

# A.2. No Monitoring When Influenced by Storm Runoff

Sampling points 001 and 002 may, at times, convey storm water in addition to wastewater regulated by this permit. The self monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

# B. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

# B.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

- (1) For materials subject to licensing by the Nuclear Regulatory Commission:
  - 5 curies Hydrogen-3
  - 1 curie Carbon-14
  - 1 curie for all other radioactive materials combined
- (2) For all other materials:
  - 1 curie for all radioactive materials combined

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Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

# C. SPECIAL BILLING REPORTING REQUIREMENTS

# C.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on sixty-two (62) percent of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

THIS IS THE LAST PAGE OF THIS PERMIT

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORM	MATION							
Company Name: VA MEDICAL CEN	TER							
Permit No: 1114046000-2	Effective (	Date:	02/01/2012		Expiratio	n Da	te: 01/31/201	7
Premise Address: 915 N. Grand Blvd	, 63106							
Monitoring Period: □(JAN-MAR)	)	□(AF	PR-JUNE)		□(JULY-SE	PT)	□(O(	CT-DEC)
Samples Collected By:			9000000		77,0000			
Analyses Performed By:					7-10-10-10-10-10-10-10-10-10-10-10-10-10-			
PART II: ANALYTICAL RESULT	TS OF SE	LFN	ONITORING	<b>.</b>				
MSD SAMPLE POINT REFERENCE NUMBERS	$\Rightarrow$					l i	By Control of the Con	
DATES ON WHICH SAMPLES WERE COLLECTED	⇔							
TIMES AT WHICH SAMPLES WERE COLLECTED	₽							
PARAMETER	LIMIT	REC	ORD SAMPLE T ( G=grab, C=com	YPES posite	(G, C, M OR E) A , M=measured flow, E	ND RE	SULTS BELOW ated flow )	UNITS
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You must complete and sign the certification statements on the second page.

1

MSD 043415

# INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

# PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and **PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS**.

--- NONE ---

# PART IV: GENERAL CERTIFICATION STATEMENTS

В	DISCHARGE MONITORING REPORT CERTIFICA	ATION
	All permittees must sign and complete the infor	mation below:
	a system designed to assure that qualified personn person or persons who manage the system, or those	nd all attachments were prepared under my direction or supervision in accordance with the property gather and evaluate the information submitted. Based on my inquiry of the se persons directly responsible for gathering the information, the information submitted curate, and complete. I am aware that there are significant penalties for submitting false visionment for knowing violations.
	Print or type name of signing official:	110-110
	Title:	Telephone:
	Signature:	Date:

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

# PERMIT FACT SHEET

Check one:					
FIRST TIME PERMIT  RENEWAL	Prepared by: S. Rehmer Reviewed by: MANTE		Date:		1
PERMIT NO: <u>1114046000</u> -2	EFFECTIVE DATE: 2/1/2012	EYDIDAT			0047
COMPANY NAME: <u>VA MEDICAL</u>		EXPIRAT	ION DAT	C: <u>1/31/</u>	<u> 2017</u>
PREMISE ADDRESS: 915 N. Gra					
RELATED ACCOUNT NUMBERS					
SIC NUMBERS: 8062					
TYPE OF OPERATION: Hospital	operations				
TOTAL NUMBER OF SAMPLING	POINTS: 2 or NO SAMPLING PO	INT 🗍			
	CE 2 CATEGORICAL		D		
CATEGORICAL INDUSTRY? YE					
If Yes, 40 CFR Subpart _		İ	PSES 🗌	PSNS	
40 CFR Subpart _		I	PSES 🗌	PSNS	
EXTRA STRENGTH SURCHARG	E? YES NO If Yes, BOD				
RETURN FACTOR?					
SPECIAL CONDITIONS REQUIRE			***************************************	-	
All SMR start dates begin at start o	of calendar quarter: ☐ same as ☐ following	/containing permit effe	permit et	fective (	date
SMR General Cert. B attached to fi	irst permit SP ( <u>001</u> ) at reporting fre	equency of	once/3m	o? Y ⊠	N□
<u>SUPPORTING D</u> Pollutant & Limitations Documenta	OCUMENTS ATTACHED tion Sheets:		YES ⊠	NO	N/A
Permit Preparation Checklist:			$\boxtimes$		
'Special Certs & Gen Rpts for Spec	Conditions not tied to Specific SF	Ps" Sheet:	$\boxtimes$		
Production-based Standards Calc.					$\boxtimes$
Mass-based Standards Calc. Shee	ts (for Sampling Points)			П	$\boxtimes$
Most Strict Limits Sheets (for Samp	oling Points)				$\boxtimes$
Combined Wastestream Formula S	heets (for Sampling Points	)			$\boxtimes$
Other:				_	
COMMENTS (Include Added total phenois (plus D.3) to be	notations of any significant changoth ordinance SP's.	ges from las	st permit):	<u>:</u>	

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Page 1 of 4

PERMIT NO: 1114046000-2

SPECIAL CONDITIONS NOT TIED TO SPECIFIC SAMPLE POINTS

		prompt to the second			⊠ (s
#	#	[none]	#	[none]	NO 🗌 N/A (No Certs) 🛚
#	#	luoue	#	[none]	
#	#	[none]	#	[none]	)? YES □
#	#	[none]	#	[none]	associated with first permit sample point (001)?
#	#	luoue	#	[none]	h first permit sa
# D.3	#	[none]	#	[none]	associated wit
# <u>E.18</u>	#	[none]	# <u>Rad.</u> Discharge	once 3 mo	Are all the SMR certifications listed above
# E.1	#	[none]	#	[none]	AR certification
Special Condition:	List any related SMR certifications:	SMR certification frequency:	List any related General Reports:	General Report frequency:	Are all the <u>SN</u>

Check here if there are no non-SP-specific Special Conditions:

Any OK?

or hospitals  or hospitals  D.10 #  Inone] #  Inone] #  Inone] #  Inone]   #	84,773	Units: GPD	Basis	Basis for Flow Rate: IUO					
		is for inclusion exclusion of std p		Basis for limi (Ord 12559, CFR	5 %	onitoring	Basis for mon	itoring freq.	1 3
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#   #	Special Condition:		#	#	#	#	#	#	
#   #	List related SMR certs: SMR cert frequency:	#	#			,	,		
TTO <u>and</u> that has no TOs on site? YES []  NO [] Explain: Added total phenole	List related General Rpts: General Rpt frequency:	#	# [none]		# [none]	#	# [none]		**
NO   Explain: Added total phenole	Is this an Ord or Comb SP w/m	non for TTO and th	at has no TOs	on site? YES	NO N	es, is SMR <u>G</u> en	Cert. A attached	at once/3 mo fre	ر م
	Any significant changes? YI		Explain: Addec	total nhanole					

# PERMIT NO: 1114046000-2

SAMPLING POINT REFERENCE NUMBER: 002	EFERENCE NU	MBER: 002	TYPE: Ord ⊠	Cat ☐ Comb ☐				
Wastewater Components: GPD Basis f	Units: GPD	Bas	Basis for Flow Rate: IUQ		ŀ		F	Š
Pollutants	Basis for inclusion (or exclusion of std polls)	ion std polls)	Basis for limitation (Ord 12559, CFR etc)	n Monitoring	70	Basis for monitoring freq. (std for vol, etc; innocuous, low flow, etc)	ing freq. ous, low flow, etc)	ð
GENERAL						-		-
	Standard	A construction of the cons	n/a	once 3 mo		Standard		
TLOW DOD	Standard		n/a	once 3 mo		Standard + volume		<b>- </b>
BOD	Standard		n/a	once 3 mo		Standard + volume		
COD	Standard		12559	once 3 mo		scharge nature plu	Discharge nature plus lab data presence	9
O&G	Standard		12559	once 3 mo		Standard + volume		
HQ H	Standard		12559	once 3 mo		Standard + volume		
lemp	Standard		n/a	once 3 mo		Standard + volume		_
155	Standard		12559	once/year		Standard		
Ora. 110	KD: added for hosnitals	senitals	12559	once 3 mo		Typical for hospitals		
lotal pireriol	, 2000			[none]				-
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				[none]				
				, ,				
				[none]				
Special Condition:	ndition:   # <u>D.10</u>	# - 01.	#	#	#	#	#	#
List related SMR certs: SMR cert frequency:	#	# [euou]	# [i	#	#	#	#	#
List related General Rpts: General Rpt frequency:	# 	# [none]	# [i	#	#	#	#	# [none]
Is this an Ord or Comb SP w/mon for TTO and that has no TOs on site? YES	b SP w/mon for TT	O and that has no	rOs on site? YES □	NO 🛭 If Yes, i	s SMR Gen	Cert. A attached a	NO 🔀 If Yes, is SMR <u>Gen Cert. A</u> attached at once/3 mo freq.? YES 📙	YES
Any significant changes? YES ⊠		NO 🗌 Explain: <u>A</u>	Added total phenols					

# PERMIT PREPARATION CHECKLIST - PART 1 (Fact Sheet Attachment)

Company Name: VA MEDICAL CENTER Permit No.: 1114046000-2

Effective Date: 2/1/2012 Prepared by: S. REHMER Date: 11/9/2011 REVIEW THE PRETREATMENT DATABASE (PIMS), INDUSTRY FILE AND PERMIT APPLICATION. ANSWER THESE QUESTIONS & UPDATE THE DATABASE PRIOR TO DEVELOPING THE DRAFT PERMIT Are the correct SICs listed? Yes ⊠ No □ 2. If yes, date last certified: If yes, Special Condition F.2 applies Does user's premise have more than one MSD account? Yes ☐ No 🗵 If yes, were all account numbers correctly listed (including occupant #s)? If no, have account numbers been corrected in database before proceeding? Yes 🗌 No 🗍 Yes 🗌 No 🗌 Does user have a Return Factor (RF) other than 1.00 for any account? Yes ⊠ No □ If yes, list acct no., RF and date last updated: Acct 00086730 RF 0.62 Updated 1/17/2002 Acct RF Updated If yes, Special Condition F.1 applies. Does user discharge water from a source not included in the MSD Billing system?

If yes, Special Condition F.3 & General Report "Discharge Volume for Billing" apply. 5. Yes ☐ No 🛛 Have you established agreement among permit application, water consumption records and PIMS on component flows at each SP, total SP flows and total premise flow? 6. Yes ⊠ No 🗍 If no, explain Has user been granted any variances from ordinance limitations? 7. Yes ☐ No ☒ If yes, Application Date: \_\_\_\_ Approval Date: \_\_\_\_\_, or approved as part of permit issuance? Yes 🗌 If yes, Parameter(s) at SP(s)\_ If yes, Special Condition C.4 applies. processes and new processes a 8. lf yes, Special Condition E.18 & General Report "Radiation Discharge" apply. Yes ⊠ No □ Do all of the user's active connections, to MSD sewers, have identified SPs? 9. Yes ⊠ No 🔲 If no, explain: If no, is documentation sufficient to use Special Condition E.5 Tampling Not Required at Connections with NO SP and with SP on parts", Yes No No E.6 The "Sampling Not Required at Connection with NO SP on it", E.7 The "Sampling Not Required at Connection with SP on only part of it", or E.8 | "Sampling Not Required at Permittee with No SP"? If no, is compliance schedule necessary to obtain documentation? If yes, Special Condition G.1 is necessary. Yes 🗌 No 🗌 Does premise require use of "upstream/downstream" sampling? 10. Yes No 🛛 If yes, Upstream SP # \_\_\_\_ & Downstream SP # If yes, Special Conditions D.11 and E.9 apply. Are there any inactive connections to MSD sewers? 11. Yes 🗌 No 🛛 If yes, Special Condition E10 applies. 12. Have you verified, in PIMS, the SP location descriptions are complete and adequate?" Have you verified, in PIMS, the discharge components, process descriptions and related 13. flows at all SPs, are complete and adequate? Does user have any discharges subject to NPDES permitting regulations? 14. Yes ☐ No 🛛 If yes, list MSD points & corresponding NPDES points: \_\_\_\_ If yes, Special Condition E.14 applies. Do any SPs convey stormwater in addition to regulated wastewater? 15. Yes ⊠ No □ If yes, list points: 001, 002 and note on P&LD sheets. If yes, Special Condition D.10 applies. 16. Are any SPs Dry Justified in PIMS? Yes ☐ No 🏻 If yes, list points \_ and note on P&LD sheets. If yes, no self-monitoring is required, and Special Condition E.3 applies.

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(MACHAN)	Are there SPs where user discharges only non-process wastewater?	Yes ☐ No 🛛
17.	ic de la	Yes 🗌 No 🗌
	If yes, does no sell-monitoring requirement? openial container to apply the self-monitoring requirement? Openial container to apply the self-monitoring requirement? Self-monitoring requirement? Self-monitoring requirement? Self-monitoring requirement? Openial containers and self-monitoring requirement? Openial containers apply the self-monitoring requirement of the self-monitoring requirement. Openial containers apply the self-monitoring requirement of the self-monitoring requirement. Openial containers apply the self-monitoring requirement of the self-monitoring requirement. Openial containers apply the self-monitoring requirement of the self-monitoring requirement. Openial containers apply the self-monitoring requirement of the self-monitoring requirement. Openial containers apply the self-monitoring requirement of the self-monitoring requirement. Openial containers apply the self-monitoring requirement of the self-monitoring requirement. Openial containers apply the self-monitoring requirement of the self-monitoring requirement. Openial containers apply the self-monitoring requirement of the self-monitoring	acarararararararararararararar
	The name of the state of the st	2. 11. 11. 11. 11. 12. 12. 12. 12. 12. 1
18.	collect samples?	Yes 🗌 No 🔯
	If you list points: and note on P&LD sheets.	
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
40	is documentation adequate to allow use of grab samples in lieu of composites at any SFS:	Yes ☐ No 🛛
19.		
	If yes, Special Condition D.1 applies.  If yes, Special Condition D.1 applies.  Are there SPs with self-monitoring requirements, but at less than a quarterly frequency, for	WHITH WITH WITH HITH WITH WITH WITH WITH
20.	Are there SDs with self-monitoring requirements, but at less than a quarterly frequency, for	
20.	all parameters?	Yes 🗌 No 🛛
	If yes, list points and note on P&LD sheets.	
	If yes, Special Condition E.4 applies.	ARARAMANAN ARAMANAN
n manana	If yes, Special Condition E.4 applies.  Can local limits TTO be removed from monitoring at any ordinance SPs?  If yes, list points and explain on P&LD sheets.  If yes, does TTO also need to be removed from MSD's monitoring?	Yes ☐ No 🛛
21.	If yes, list points and explain on P&LD sheets.	
	If yes, does TTO also need to be removed from MSD's monitoring?	Yes 🗌 No 🗌
	If yes, does 110 also need to be removed in the second of	
	been monitored by MSD:  Does user have a history of compliance problems at this or a previous location?	AND TO NO D
22.	Does user have a history of compliance problems at this or a previous location?	Yes ☐ No 🏻
	If ves. explain problems:	
	If yes, is a compliance schedule required?	Yes 🗌 No 🗌
	If ves, Special Condition G.1 applies.	V. D. Na D
	Is supporting documentation attached?	Yes No
	If yes, are any other special requirements required?	Yes 🗌 No 🗌
	Evoloin:	00 (16 (16 (16 (16 (16 (16 (16 (16 (16 (16
23.	Is user required to monitor for Total Phenois at an ordinance SP?	Yes ⊠ No □
23.	it and done Chaptel Condition 1) 3 for Lotal Phenois Monitority options apply:	Yes ⊠ No 🔲
nanana.	Hyes, does special condition be to real management and the second	
24.	CO FOO DO CAS DAL "CANTANAN DE EXCURSIONS ADDIV.	Yes ☐ No 🛛
	ECE 20 & CAN PARTICIONIMAN DE EXCUISIONS ADDIV	Yes ☐ No 🛛
	Temp? If yes, list points SC E.30 & Gen Rot "Cont-Mon LEL Excursions" apply.	Yes ☐ No 🛛
20MAAA	LEL? IT yes, list points ————————————————————————————————————	Yes ☐ No 🏻
25.	Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon LEL Excursions" apply.  LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.  Does the company perform any processes for which summaries of activities are needed?  If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.  If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.	
11 H W W	Are special billing conditions, other than the standard Special Conditions, needed?	Yes ☐ No 🛛
26.	If yes, describe:	
	If yes, Special Condition F.4 applies.	
	Does General Report "Discharge Volume for Billing" apply?	Yes ☐ No ☐
	n o Danat "Custom Non Standard" apply/	Yes 🗌 No 🔲
· in a constant	Are any Special Conditions, other than the standard special conditions, required?	Yes No 🛛
27.	Are any Special Conditions, other than the standard special conditions, required	163 🗀 140 🖂
	If yes, explain:	
	Which Special Condition applies?	Yes ☐ No ☐
	Is supporting documentation attached?	163 🗀 140 🗀
	If no, explain:	Yes 🗌 No 🗍
	Does General Report "Custom Non-Standard" apply?	(10 10 10 10 10 10 10 10 10 10 10 10 10 1
28.	le uper a bouled waste industry, discharging its wastewater at the Hauled Waste Station:	Yes ☐ No 🏻
20.	If yes, have permit title, cover page language, & general conditions been modified:	Yes 🗌 No 🗌
	If ves. Special Conditions B.9, D.13, H.1, and H.2 apply.	C/100 100 100 100 100 100 100 100 100 100
11 11 11 11	Is user classified as a Categorical Industrial User (CIU)?	Yes ☐ No 🛛
29.	If yes, complete part 2 of checklist. If no, STOP here.	CANANAN AN
H. H. W.		
l is	t all the Special Conditions from Part 1 that are applicable to this permit.	
Lis	t all the Special Conditions from Part 1 that are applicable to this permit. t those that are specific to a sampling point on that sampling point's fact sheet, too. t those that are not specific to a sampling point on the "Special Conditions Not Tied to Specific S	SPs" fact sheet, too.
Lis		,
	General Report Special Condition # Sampling Point #	
	Rad Discharge E.18	
	Rad Discharge <u>E.18</u> <u>D.10</u> <u>001, 002</u>	
	<u> </u>	
		,
	EV 07/2011 2	

MSD 043422



## Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

December 28, 2007

Ed Beaty, Pipefitter Supervisor **VA MEDICAL CENTER** 915 N. Grand Boulevard St. Louis, MO 63106

Re: Discharge Permit No: 1114046000 - 1

For premise at:

915 N. Grand Boulevard, 63106

Dear Ed Beaty:

On December 13, 2007, the Metropolitan St. Louis Sewer District adopted new Sewer Use Ordinance No. 12559. This ordinance becomes effective January 1, 2008, and replaces Ordinance No. 8472. As a result, your Industrial Wastewater Discharge Permit is modified as per the attached modified permit for the above premise. We have reissued the entire permit for your convenience.

Among the changes in the new ordinance, it raises the limits for TTO and it updates the restrictions on radioactive materials to the sewer system. The new restrictions more closely parallel State and Federal regulations.

MSD Ordinance No. 12559 limits the discharge of radioactive materials to sewers to what is allowed under your Nuclear Regulatory Commission and/or Missouri Department of Health licenses. The old ordinance restricted the aggregate discharge from all users to one curie/year for each sewage treatment plant. Please note that all radioactive material discharged to the sewer system must continue to be readily soluble or readily dispersible biological material, in water.

If, at any time, the current level of radioactive materials discharge will increase by 20 percent or more, you must notify MSD, in writing at least ten business days prior to the date of the planned increase. This requirement is contained in Article VIII, Section Six of Ordinance No. 12559.

As a condition of the District's approval, you must continue to submit a completed copy of the Radioactive Materials Discharge Report to the District on a quarterly basis. This approval does not relieve you of any requirements set forth under applicable state or federal regulations. In addition, you must continue to meet all provisions of MSD District Ordinance 12559.

Thank you for your assistance in helping us to comply with state and federal regulations. If you have any questions, please call me at 314.436.8756.

Sincerely.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer, Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit

cc: Doug Mendoza Tom Boehm

Elina

## METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1114046000 - 1

EFFECTIVE DATE:

January 01, 2008

**EXPIRATION DATE:** 

January 31, 2012

ISSUED TO: VA MEDICAL CENTER

915 N. Grand Boulevard St. Louis, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 2

SAMPLING PT. REF NUMBER(S): 001, 002

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer

buglas M. Mendoza, P.E. Mgr. of Industrial Pretreatment

Permit No.: Page No.:

Effective Date:

1114046000 - 1

2 January 01, 2008

## DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION:

MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 35,700

WASTEWATER SOURCE AND CATEGORY: Sanitary + Boiler Blowdown + Hospital Waste + Kitchen Waste + Laboratory Waste (Animal, Research, + Diagnostic Labs) + Non Contact Cooling Water + Regeneration/Reject Water (Softener Regen+ RO Reject)

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day)	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids	***	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
oH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

<sup>\*\*</sup> See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

<sup>\*\*\*\*</sup> See Section I.A.11 of the permit conditions.

Page No.:

1114046000 - 1

Effective Date:

January 01, 2008

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## DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION:

MH @ Spring & Enright 75' SW of building #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 10,383

WASTEWATER SOURCE AND CATEGORY: Sanitary + Hospital Waste + Laboratory Waste (Diagnotic + Research Labs) + Non Contact Cooling Water + Process Waste (X-Ray Processing)

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day)	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
emperature [Deg C]	60	Instant	Once/3 mo
otal Suspended Solids	***	Daily Avg	Once/3 mo
otal Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
oH [SU]	5.5	Instant	Once/3 mo

Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section If of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per \*\*\* quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A.11 of the permit conditions.

Permit No.: <u>1114046000 - 1</u>
Page No.: <u>4</u>

Effective Date: January 01, 2008

#### PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

#### A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
  - 2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A DAILY AVG limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A DAILY MAX limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive <u>sampling</u> days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

- 3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:
  - a. Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
  - b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
  - c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

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Effective Date: January 01, 2008

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

- a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.
- b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous temperature and/or pH monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, the total time for all excursions for temperature and the total time for all excursions for pH.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:
  - a. All facility and sample description information required on the District's reporting form.
  - b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
  - c. Daily flows, with dates, for all measurements or estimates made within the quarter.
  - Any certification statements required pursuant to the Special Conditions in Section II.
  - e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

July 28

October 28

January 28

A report must be submitted for <u>each</u> calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The first report, under the terms of this permit, is due by April 28, 2008.

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

Permit No.: 1114046000 - 1 Page No.: 6 January 01, 2008

Effective Date:

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

#### B. CHANGE IN DISCHARGE:

- The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.
  - 3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:
    - Any discharge from a new process or facility or a new source.
    - Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
    - Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
    - Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
    - Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
    - Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
    - Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

#### C. PROBLEM DISCHARGE:

- Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.
- In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to

Permit No.: 1114046000 - 1 Page No.: January 01, 2008

Effective Date:

continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

Slug discharge control: The permittee shall develop and implement procedures to control slug discharges. as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

#### D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- The bypass is unavoidable to prevent loss of life, personal injury or severe property damage; a.
- There are no feasible alternatives to the bypass; and
- In the event of an anticipated bypass, advance notice is provided to the District's Division of C. Environmental Compliance.

#### E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- A violation of any term or condition of this permit. a.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

#### F. PERMIT TERMINATION OR MODIFICATION:

- This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

#### G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration. date contained herein.

#### H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

1114046000 - 1

Page No.: Effective Date:

January 01, 2008

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## I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

#### J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

#### K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

#### L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

#### M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

- 2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.
- 3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

Permit No.: 1114046000 - 1
Page No.: 9
Effective Date: January 01, 2008

#### SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

#### A. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

## A.1. No Monitoring When Influenced by Storm Runoff

Sampling points 001 and 002, may, at times, convey storm water in addition to wastewater regulated by this permit. The self monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

## B. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

## B.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

- (1) For materials subject to licensing by the Nuclear Regulatory Commission:
  - 5 curies Hydrogen-3
  - 1 curie Carbon-14
  - 1 curie for all other radioactive materials combined
- (2) For all other materials:
  - 1 curie for all radioactive materials combined

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

## C. SPECIAL BILLING REPORTING REQUIREMENTS

## C.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on sixty-two (62) percent of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

#### THIS IS THE LAST PAGE OF THIS PERMIT

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

## **DOCUMENTATION FORM for PERMIT MODIFICATION**

Permit	to	be	Mo	difi	ed:

Company Name: VA MEDICAL CENTER

Location: 915 NORTH Grand Blvd, ST L, MO 63106

Permit No: 1114046000

Original Effective Date: 02/01/2007

Modification Effective Date: 01/01/2008

## What is to be Modified:

Briefly explain what is to be modified and then list the pages & how affected::

Sewer Use Ordinance 12559 in effect; Radioactive & TTO limits up

Pg. # 1 Effective date

Pg. # 2-3 For SP's, Limit change for TTO

Pg. # 5 First report due date

Pg. # 9 SC E.18 Radioactive Discharge Reporting Requirements

Pg. # \_\_\_\_

Pg. # \_\_\_\_\_

Pg. # \_\_\_\_

Pg. # \_\_\_\_

## Reasons for Modification:

Cite regulation, policy, etc. and identify any other documents which support the modification:

MSD Ord. 12559 adopted 12-13-2007; effective 01-01-2008; supercedes Ord. 8472.

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Prepared by: S. Rehmer	Date: 12-27-2007	Permit Modified by: S. Rehmer	Date: 12-27-2007
Reviewed by: Nur	Date: 1241-07		DGIO. 12 21-2001
	2010. 1/		



## Metropolitan St. Louis Sewer District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

November 29, 2006

Ed Beaty
Pipefitter Supervisor
VA MEDICAL CENTER
915 North Grand Boulevard
St. Louis, MO 63106

RE:

Discharge Permit No: 11140460-00

For premise at:

915 North Grand Boulevard

Dear Mr. Beaty:

Enclosed is the Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit for the premise identified above. This permit is issued pursuant to the federal pretreatment regulations in 40 CFR 403 as amended October 3, 2001. This permit has been prepared based on information that you supplied in the District's Industrial User Questionnaire, on results from previous wastewater samplings and inspections and on requirements contained in existing MSD ordinances and state and federal regulations.

Except as noted in this paragraph, the terms and conditions of this permit are substantially the same as in the previous permit. The requirements to monitor and report Silver at sampling point 001 have been removed, however, have been added to sampling point 002. The return factor for your premise has been revised to reflect current information. Additionally, Section I of the permit conditions has been reorganized and includes additional clarifying language but does not contain any new requirements. Other minor changes may have been made to improve the overall clarity of the document.

The previous permit, effective February 1, 2002, is voided as of the effective date of the enclosed permit.

Monitoring reports required by the conditions of this permit must be submitted quarterly for the life of the permit. The first report due date, for this reissued permit, is based on a complete calendar quarter monitoring period. The permittee remains responsible for reporting for the preceding calendar quarter under the previous permit. Copies of the necessary report forms are enclosed.

If you disagree with any of the terms or conditions of this permit please inform us, in writing, within 15 working days of receipt. Absence of a response within this time frame will be deemed acceptance, by you, of the provisions of this permit.

You may contact us at 436-8756 at any time if you have any question about your permit.

Sincerely.

METROPOGITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

Enclosures

cc: Permit file

## METROPOLITAN ST. LOUIS SEWER DISTRICT DEPARTMENT OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 11140460-00

EFFECTIVE DATE:

February 01, 2007

EXPIRATION DATE: January 31, 2012

ISSUED TO: VA MEDICAL CENTER

915 N. GRAND BOULEVARD

ST. LOUIS, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: TWO

SAMPLING PT. REF NUMBER(S): 001, 002

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 8472, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabsk

Assistant Engineer

Månager of Industrial Pretreatment

11140460-00

Page No.: Effective Date:

February 01, 2007

## DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION: MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 35,700

WASTEWATER SOURCE AND CATEGORY: Hospital Waste + NCCW + Boiler Blowdown + Regeneration/Reject Waste + Sanitary + Kitchen Waste + Laboratory Waste

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	***
Biochemical Oxygen Demand (5 Day) [mg/L]	* * * *	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.52	Instant	Once/year

<sup>\*</sup> Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.

<sup>\*\*</sup> See Section I.A.2 of the permit conditions.

<sup>\*\*\*</sup> Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

<sup>\*\*\*\*</sup> See Section I.A.11 of the permit conditions.

11140460-<u>0</u>0

Page No.: Effective Date:

February 01, 2007

## DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION: MH @ Spring & Enright 75' SW of building #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 11,900

WASTEWATER SOURCE AND CATEGORY: Hospital Waste + Laboratory Waste + Process Waste + Sanitary + NCCW

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	***
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	***	Daily Avg	Once/3 mo
Silver (Total) [mg/L]	.5	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.52	Instant	Once/year

<sup>\*</sup> Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.

<sup>\*\*</sup> See Section I.A.2 of the permit conditions.

<sup>\*\*\*</sup> Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

<sup>\*\*\*\*</sup> See Section I.A.11 of the permit conditions.

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Effective Date: February 01, 2007

### PERMIT CONDITIONS

**SECTION I - GENERAL CONDITIONS:** 

## A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
  - 2. The limitation types, which may be specified in this permit, are defined as follows:

An INSTANT limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A DAILY AVG limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A DAILY MAX limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A 4-DAY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive <u>sampling</u> days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

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3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

- a. Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
- b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
- c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.
- 4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.
  - a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.
  - b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH and/or temperature at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-C of District Ordinance 8472. The permittee shall include, with each self-monitoring report, a summary of the continuous temperature and/or pH monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, the total time for all excursions for temperature and the total time for all excursions for pH.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied by the District) shall be submitted to the District's Department of Environmental Compliance for each calendar quarter. Each report shall include:
  - a. All facility and sample description information required on the District's reporting form.
  - b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
  - c. Daily flows, with dates, for all measurements or estimates made within the quarter.

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d. Any certification statements required pursuant to the Special Conditions in Section II.

e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 8472. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

July 28

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

July 28

July 28

January 28

A report must be submitted for <u>each</u> calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The first report, under the terms of this permit, is due by April 28, 2007.

- 10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Department of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.
- Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

## B. CHANGE IN DISCHARGE:

- 1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Department of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

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- 3. As defined in Article II of District Ordinance 8472, significant new or increased discharge means:
  - a. Any discharge from a new process or facility or a new source.
  - b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
  - c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
  - d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 8472.
  - e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
  - f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 8472.
  - g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

## C. PROBLEM DISCHARGE:

- 1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.
- 2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Department of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.
- 3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

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### D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Department of Environmental Compliance.

#### E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

## F. PERMIT TERMINATION OR MODIFICATION:

- 1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- 2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 8472 Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Department of Environmental Compliance.

## G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

## H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 8472 until the District issues a new permit or denies the application.

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### I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

#### J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than three (3) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

## K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 8472.

## L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 8472.

#### M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.

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3. During normal business hours, notifications may be made by calling the District's Department of Environmental Compliance at (314) 436-8710.

## SECTION II - SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

- A. Special Sampling and Analytical Procedures:
- 1. Sampling points 001 and 002 may, at times, convey storm water in addition to wastewater regulated by this permit. The self monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.
- B. Special Certification and Reporting Requirements:
- 1. Permittee is authorized to discharge not more than **fifteen (15) millicuries** of radioactive material per year to the District's sanitary sewers. Such materials must be soluble, or dispersible if biological material, in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, in conjunction with other user's discharges of radioactive materials, causes the aggregate of all radioactive materials entering the District's treatment plant to exceed one (1) curie per year or causes interference as defined in MSD Ordinance 8472.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

## C. Special Billing Reporting Requirements:

1. Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on **sixty-two (62) percent** of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Department of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

## THIS IS THE LAST PAGE OF THIS PERMIT



## Metropolitan St. Louis Sewer District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

October 25, 2006

Ed Beaty Pipefitter Supervisor **VA MEDICAL CENTER** 915 North Grand Boulevard St. Louis, MO 63106

RE:

Discharge Permit No: 11140460-00

For premise at:

915 North Grand Boulevard

Dear Mr. Beaty:

We have completed our review of your application for renewal of the Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit for the premise identified above. The current permit expires on February 1, 2007. Enclosed is a draft copy of the proposed permit renewal.

Except as noted in this paragraph, the terms and conditions of this draft permit renewal are substantially the same as in the current permit. The requirements to monitor and report Silver at sampling point 001 have been removed, however, have been added to sampling point 002. The return factor for your premise has been revised to reflect current information. Additionally, Section I of the permit conditions has been reorganized and includes additional clarifying language but does not contain any new requirements. Other minor changes may have been made to improve the overall clarity of the document.

This draft has been prepared pursuant to the federal pretreatment regulations in 40 CFR 403 as amended October 3, 2001 and is based on information that you supplied in the District's Industrial User Questionnaire, on results from previous wastewater samplings and inspections and on requirements contained in existing MSD ordinances and state and federal regulations.

Please review this draft copy carefully. If you disagree with any of the terms or conditions of the proposed permit please inform us, in writing, within 15 working days of receipt. Absence of a response within this time frame will be deemed as acceptance of the draft permit and we will proceed to issue the final permit.

If you have any questions, please contact me at 436-8756.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

Enclosure

cc: Permit file

## METROPOLITAN ST. LOUIS SEWER DISTRICT DEPARTMENT OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 11140460-00

EFFECTIVE DATE:

February 01, 2007

EXPIRATION DATE: January 31, 2012

ISSUED TO: VA MEDICAL CENTER

I. GRAND BOULEVARD

UIS, MO 63106

SIC NUM ER(S):

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: TWO

SAMPLING PT. REF NUMBER(S): 001, 002

In accordance with the provision f the ederal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis , the rmittee is hereby authorized to discharge wastewater into the Metropolitan Sewer District Ordinance No. 84 o. ombined sewer system. All discharges so authorized shall be limited and St. Louis Sewer District's sanital ditions of this permit. controlled pursuant to the terms d co

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does t relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or equirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or lay hat may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

Douglas M. Mendoza, P. Z. Manager of Industrial Pretreat

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#### DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 00

SAMPLING POINT LOCATION: MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 35,700

WASTEWA ER SO RCE AND CATEGORY: Hospital Waste + NCCW + Boiler Blowdown +

Regeneration Reject \ ste + Sanitary + Kitchen Waste + Laboratory Waste

DIS AARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Doily Are	***
Biochemical Oxygen Demand (5 D v) [xg/L]	****	Daily Avg Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	<b>A</b> 60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.52	Instant	Once/year

- \* Limits are based on MSD Ordinance 8472 and applicable federal categoric standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.
- \*\* See Section I.A.2 of the permit conditions.
- \*\*\* Report a measured or estimated average daily flow for at least one representative operating cy per quarter. If additional flow measurements or estimates are made, all must be reported.
- \*\*\*\* See Section I.A.11 of the permit conditions.

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## DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 00

SAMPLING POINT LOCATION: MH @ Spring & Enright 75' SW of building #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 11,900

WASTEWATI COOPCE AND CATEGORY: Hospital Waste + Laboratory Waste + Process Waste +

Sanitary + NC W

DISCH GE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD] Biochemical Oxygen Demand (5 Day [N/L] Chemical Oxygen Demand [mg/L] pH [SU] pH [SU] Temperature [Deg C] Total Suspended Solids [mg/L] Silver (Total) [mg/L] Total Toxic Organics [mg/L]	***  ***  11.5  5.5  60  ****  .5  5.52	Daily Avg Daily Avg Daily Avg Instant Instant Instant Daily Avg Daily Avg Instant	*** Once/3 mo

- \* Limits are based on MSD Ordinance 8472 and applicable federal categorical andards. See Section II of the permit conditions for explanation of any adjustments to the published limits me e pursuant to Article V, Section 2.A of the Ordinance.
- \*\* See Section I.A.2 of the permit conditions.
- \*\*\* Report a measured or estimated average daily flow for at least one representative operating day quarter. If additional flow measurements or estimates are made, all must be reported.
- \*\*\*\* See Section I.A.11 of the permit conditions.

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#### PERMIT CONDITIONS

#### **SECTION I - GENERAL CONDITIONS:**

## A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified in this permit shall be reported to the District as per paragraph A.9 below.
  - 2. The limitation types, which may be specified in this permit, are defined as follows:

An INSTANT limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A DAILY AVG limitation is the max numeral lowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period

A DAILY MAX limitation is the maximum anowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A 4-DAY AVG limitation is the maximum allowable ay rage decentration or mass of the pollutant determined by calculating the arithmetic average of the compentration or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is <u>any</u> sample collected within a 24-hour period.

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3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

- a. Temperature, pH and chlorine residual measurements, when required, **shall be made on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
- b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
- c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum aroun individual grab samples within a 24-hour period. The individual grabs must be adequately low or the proportioned to ensure a composite sample that is representative of that day's discharge.
- 4. When more oring is equired for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantity ble waters greater than 0.01 mg/l for the applicable toxic organics.
  - a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.
  - b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO sult, a permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic alyzed.

- 5. Sampling of all discharges shall be condicted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 4 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for H and/or temperature at any sampling point identified in this permit, unintentional and temporary excursions outs. The limitations are allowed subject to the provisions of Article X, Subsection Two-C of District Ordinance 8472. The permittee shall include, with each self-monitoring report, a summary of the continuous temperature and/or pH monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, the total time for all excursions for temperature and the total time for all excursions for pH.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified permit, more often than required by this permit, the results of all such additional monitoring and any addit and flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied by the District) shall be submitted to the District's Department of Environmental Compliance for each calendar quarter. Each report shall include:
  - a. All facility and sample description information required on the District's reporting form.
  - b. Analytical results, with dates and times, for all analyzed samples collected within the quart
  - c. Daily flows, with dates, for all measurements or estimates made within the quarter.

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Any certification statements required pursuant to the Special Conditions in Section II.

Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 8472. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:	The report must be postmarked no later than:
January 1 through March 31	April 28
April 1 through June 30	July 28
July and h September 30	October 28

October 1 through December 31

A report must be submitted for <u>ach</u> calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The first report, under the terms of this permit, is due by April 28, 2007.

- 10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Department of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.
- 11. Unless specified elsewhere in this erm discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspend 15. Jids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater Oser Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

#### B. CHANGE IN DISCHARGE:

- The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- The permittee shall notify the District's Department of Environmental Com iand of any proposed significant new or increased discharge. The permittee shall make the notification at lea ten (10) business days prior to the date of the planned increase or addition.

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3. As defined in Article II of District Ordinance 8472, significant new or increased discharge means:

- Any discharge from a new process or facility or a new source.
- Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
- Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
- Any addition of a hazardous waste subject to, but not previously reported under the reporting requireme our ricle VIII, Section Nine of District Ordinance 8472.
- mass of an existing regulated pollutant when the new long term average daily mass Any that pole ant will exceed the previous long term average by 20% or more.

  dition of a new pollutant or any increase in mass of an existing pollutant when the discharge discharge d
- stant ay cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 8472.
- Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

## C. PROBLEM DISCHARGE:

- Problem discharge means any upsat, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prombited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.
- 2. In the event of any problem discharge into the District's system the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on vater quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Department of Environmental Compliance a detailed written report which contains a description of the incident and it hause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.
- 3. Slug discharge control: The permittee shall develop and implement procedures to c trol slug discharges, as required by the District, and shall notify the District immediately of any changes at the already addressed in the permittee's slug control requirements, which may affect the pote ial for a slug discharge.

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### D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Department of Environmental Compliance.

## E. PERMIT REVOLATION

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

## F. PERMIT TERMINATION OR MODIL CANON:

- 1. This permit may be modified, after thirty (50) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- 2. Whenever any discharge covered by this permit is permanently liminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 8472 Article V. Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the listrict's Department of Environmental Compliance.

## G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

## H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 8472 until the District issues a new permit or denies the application.

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## I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agree cents, hall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. representative of the permittee shall, if appropriate, accompany the District representative while he work being performed and shall assure that all applicable safety rules are being observed by the District's representative

#### J. RECORDS RETENTION:

The permittee shall retain and preserve for not less than three (3) years, all records, books, documents, memoranda, reports, sample analysis results, conspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analysis of the permittee's discharge made by or on the permittee's behalf.

#### K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 8472.

## L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permanely is suffect to all provisions of District Sewer Use Ordinance 8472.

## M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispartner a (314) 768-6260.

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3. During normal business hours, notifications may be made by calling the District's Department of Environmental Compliance at (314) 436-8710.

## **SECTION II - SPECIAL CONDITIONS:**

These Special Cond. Ons is a supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where were is an operceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

## A. Special Samplin and A alytical Procedures:

1. Sampling points 001 and 002 may, at times, convey storm water in addition to wastewater regulated by this permit. The self monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

## B. Special Certification and Reporting Regulirer Ints

1. Permittee is authorized to discharge bet most than **fifteen (15) millicuries** of radioactive material per year to the District's sanitary sewers. Such materials must be soluble, or dispersible if biological material, in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, in conjunction with other user's discharges of radioactive materials, causes the aggregate of all radioactive materials entering the District's treatment plant to exceed one (1) curie per year or causes interference as defined in MSD Ordinance 8472.

The permittee shall include with each quarterly self-monitoring tepd on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also cereby compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

## C. Special Billing Reporting Requirements:

1. Pursuant to District Wastewater User Charge Ordinances, the permittee has be granted a reduction in billing for used water which does not enter the District's system. The permittee is current charges based on sixty-two (62) percent of the used water (on an annual basis) being disclared to the District. The permittee shall notify the District's Department of Environmental Compliance within 1 (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

#### THIS IS THE LAST PAGE OF THIS PERMIT

T

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT FAC	Г ЅНЕЕТ			
Check one:  FIRST TIME PERMIT  Prepared	l by: Fabian Grabski	Date: 0	) i	<u> </u>
	ed by: OMM		1-24-(	
REVISION			V	
PERMIT NO: 11404(20-000) EFFECTIVE DATE	EXPIRAT	TION DA'	TE: <u>O\-</u>	31-1Q
MODIFICATION DATES: (1), (2)	, (3),	(4)		
COMPANY NAME: VA MEDICAL CENTER				***
PREMISE ADDRESS: 915 N. GRAND BLVO.			<b>.</b>	
RELATED ACCOUNT NUMBERS: N/L~	•			
~				
<del></del>				
TYPE OF OPERATION: HOSPITAL				
TOTAL NUMBER OF SAMPLING POINTS: CATI				
CATEGORICAL INDUSTRY ? YES NO IN THE SUB-		PSES	PS:	NS
40 CFR Subpart		PSES		
•				
<del></del>	∫ If Yes, BOD			
RETURN FACTOR? YES YES YES	If Yes, Acct #	75800	<u>30</u> R	F()_6
SPECIAL CONDITIONS REQUIRED? YES NO	·			
SUPPORTING DOCUMENTS ATTAC	CHED	YEŞ	NO	N/A
Pollutant & Limitations Documentation Sheets:	pt-y			
Permit Preparation Checklist:				
Production Based Standards Calculation Sheets:	4			
If Yes, for Sampling Points:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<b>1</b>	
Most Strict Standards Calculation Sheets:				
If Yes, for Sampling Points:				/
Combined Wastestream Calculations Sheets:	W-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
If Yes, for Sampling Points:				
Other:	y			
COMMENTS (Include notations of any significant change RFREVISED; 0.88 -> 0.62.  Ax: REMOVED FROM SPECIA 4 NO				1450-77

REV 02/01

Page 1 of \_\_\_\_\_

PERMIT NO: 11/40460-00

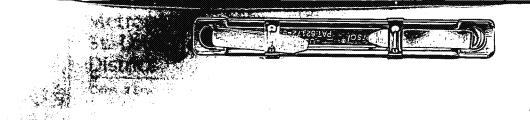
SAMPLING POINT REFERENCE NUMBER: TY	PE: Ord. ✓ Cat _ Comb _
Wastewater Components: 11000 www. + Nocw + Borcount Descriptions	Turne + spu + Kitchen when
Flow Rate: 35,700 GRD Basis for Flow Rate: \(\sum_{\infty}\)	
General Pollutants: BOD \( \square\) COD \( \square\) O> \( \square\) pH \( \) Temp \( \)	TSS V Ord TTO V
Other: NIA	
Priority/Categorical Pollutants: NA	
Basis for Pollutants: STANDEND FROMT POLLUTANTS.	
Basis for Limitations: MSO CRO \$5470	
Basis for Monitoring Frequencies: 1/2 mos; Hop waste Ovolume.	
Special Conditions: #	,#
Any significant changes in Components, Flows, Limits or Monitoring Reqs from pre	evious permit? YES $\sqrt{NO}$
Explain: Ay REMOVED; 5/25/06 INSP. IDENTIFIED Y-RE	SY WHOLE ONLY
PRESENTAT SPOOD.	
SAMPLING POINT REFERENCE NUMBER: OO	YPE: Ord. 🗸 Cat _ Comb _
Wastewater Components: Hop work + Low work + Process work + see	union + HCCM
Flow Rate: Name Basis for Flow Rate: Name Basis for Flow Rate:	
	7 /
	✓ TSS ✓ Ord TTO ✓
Other: N/A ** PREVIOUS!	
	STREMOVED.
Priority Categorical Pollutants: X-RN WASTE CONVEYED.	
Priority Categorical Pollutants: X-RX WESTE CONVENCE.  Basis for Pollutants:	
Priority Categorical Pollutants: X-RX WESTE CONVENCE.  Basis for Pollutants:	
Priority Categorical Pollutants: X-RX WASTE CONVENCE.  Basis for Pollutants:  Basis for Limitations:	
Priority Categorical Pollutants:  Basis for Pollutants:  Basis for Limitations:  Basis for Monitoring Frequencies:	
Priority Categorical Pollutants: X-RX WASTE CONVENCE.  Basis for Pollutants:  Basis for Limitations:	
Priority Categorical Pollutants:  Basis for Pollutants:  Basis for Limitations:  Basis for Monitoring Frequencies:  Special Conditions: #	;#,#vious permit? YES√NO
Basis for Pollutants:  Basis for Limitations:  Basis for Monitoring Frequencies:  Special Conditions: #	vious permit? YES NO_
Priority Categorical Pollutants:  Basis for Pollutants:  Basis for Limitations:  Basis for Monitoring Frequencies:  Special Conditions: #	vious permit? YES NO_

## PERMIT PREPARATION CHECKLIST - PART 1 (Fact Sheet Attachment 2)

Company Name: VA MEDICAL CELITER				Permit No.: \\\40400-00		
Effective Date: 02.01.07 Prepared by: FG			FGe	Date: <u>08-11-06</u>		
REVIEW THE PRETREATMENT DATABASE (ECIMS), INDUSTRY FILE AND PERMIT APPLICATION.						
ANSWER THE FOLLOWING QUESTIONS AND UPDATE THE DATABASE PRIOR TO DEVELOPING THE DRAFT PERMIT.						
1.	Are the correct SICs listed?	19 (5), B), B,	.1887   1887   1887   1887   1887   1887   1887   1887   1887   1887   1887   1887   1887   1887   1887   1887	ennamenamenamenamenamenamenamenamenamena		
1881   1882   1882   1882   1882   1882   1882   1882   1882   1882   1882   1882   1882   1882   1882   1882	If no, add:	delete:		<del>anamanana a a arawanana arawana aramf</del> an.		
2.	Is user in surcharge?  If yes, date last certifi  If yes, Special Condit		(1877 1877 1887 1887 1887 1887 1887 1887	Yes No <u>√</u>		
3.		re than one MSD account? nt numbers correctly listed (includent numbers been corrected in the count numbers been corrected in the correct of the count numbers been corrected in the count numbers are considered				
4.		RF Updated		Yes <u>√</u> No		
5.	ar i 1901 i san i 1901 i 1921 i 1901 i 1 Tanta i 1901	om a source not included in the l	MSD Billing sys	tem? Yes No		
6.	Have you established agreeme ECIMS on component flows a If no, explain	ent among permit application, wat each SP, total SP flows and to	rater consumption tal premise flow	on records and Yes No		
7.	Has user been granted any value of the second of the secon	riances from ordinance limitatio at S tion C.4 applies.		Yes No <u> </u>		
8.	Does user discharge any radio If yes, Special Condit	oacti <del>ve ma</del> terials?		Yes <u> </u>		
9.	Do all of the user's active cor If no, explain:	nnections, to MSD sewers, have	identified SPs?	Yes <u> </u>		
SECTION OF SECTIONS	If no, is documentation If no, is comp	on sufficient to use Special Conc pliance schedule necessary to ob s, Special Condition G.1 is nece	tain documentat	100 110		
10.	If yes, Upstream SP #	tupstream/downstream" sampling & Downstream Stations D.11 and E.9 apply.		Yes No		
11.	Are there any inactive connec If yes, does Special C		(18181818181818181818181818181818181818	Yes No Yes No		
12.	Have you verified, in ECIMS	, the SP location descriptions ar	e complete and a	adequate? Yes No		
13.	Have you verified, in ECIMS flows at all SPs, are complete	, the discharge components, pro and adequate?	cess description	s and related Yes No		

		CARLO AND CARLO CARLO CARLO CARLO	an concern con concern amount.		
14.	Are any SPs Dry Justified?  If yes, list points and note on P&LD sheets.  If yes, Special Condition E.3 applies.	Yes	_No _		
15.	Do any SPs convey stormwater in addition to regulated wastewater?  If yes, list points: and note on P&LD sheets.  If yes, Special Condition D. 10 applies.	Yes	_No		
16.	Does user have any discharges subject to NPDES permitting regulations?  If yes, list points:  If yes, Special Condition E.14 applies.	Yes	No V		
17.	Are there some SPs where user discharges only non-process wastewater?  If yes, does Special Condition E.3 apply?  If yes, list points and note on P&LD sheets.	Yes Yes			
18.	Is documentation adequate to allow use of grab samples in lieu of composites at any SPs?  If yes, list points and note on P&LD sheets.  If yes, Special Condition D.1 applies.	Yes	_No <u>/</u>		
19.	Are there SPs with less than a quarterly self-monitoring frequency for <u>all</u> parameters?  If yes, Special Condition E.4 applies.	Yes	No		
20.	Can user be given a waiver from monitoring local limits TTO at any ordinance SPs?  If yes, list points and explain on P&LD sheets.	Yes	_No		
21.	Does user have a history of compliance problems at this or a previous location?  If yes, is a compliance schedule required?  If yes, Special Condition G.1 applies.  Is supporting documentation attached?	Yes Yes Yes			
22.	Is user required to monitor for Total Phenols at an ordinance SP?  If yes, does Special Condition D.3 apply?	Yes Yes	_ No _ No		
23.	Are special billing conditions, other than the standard Special Conditions, needed?  If yes, describe:	Yes	_No _		
24.	Are any Special Conditions, other than the standard special conditions, required?  If yes, explain:	Yes	_ No		
- 100 ( 100 ) 100 ( 100 ) 100 ( 100 ) 100 ( 100 ) 100 ( 100 ) 100 ( 100 ) 100 ( 100 ) 100 ( 100 ) 100 ( 100 )	Is supporting documentation attached?	Yes	No		
25.	Is user classified as a Categorical Industrial User (CIU)?  If yes, complete part 2 of checklist. If no, STOP here.	Yes	No V		
List all the Special Conditions from Part 1 that are applicable to this permit:					
	# <u>F.1</u> # <u>E.18</u> # <u>D.10</u> # # # # # # # # #_				

Rev 12/01



ACCOUNT NUMBER

10040460-00 VA MEDICAL CENTER 915 N. Grand Blvd.

St. Louis, MO 63106

**COMPANY NAME:** 

## CORRESPONDENCE

FROM 11-12-96 THRU 01-08-02 (R side)
01-19-96 10-20-04 (L side)



08-08-14 Moved to ARCHIVED PERMIT files. MI